



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

DENT361 Removable Prosthodontics I - JNQF Level: 7

First Semester 2024-2025

**Course Catalog**

3 Credit Hours. This course equips the students with the theoretical knowledge and the practical skills involved in fabricating the removable complete dentures prosthesis, preparing them to safely and successfully use this treatment modality to treat edentulous patients in Dent463 Removable Prosthodontics (3) Clinics. The following areas are covered in this course: The anatomy, histology and physiology of the edentulous maxilla and mandible; Clinical and laboratory procedures involved in complete dentures fabrication; Principles of aesthetics, speech and occlusion of complete dentures; Materials used in the management of the edentulous patients

**Teaching Method:** On Campus

**Text Book**

<b>Title</b>	Prosthodontic Treatment for Edentulous Patients: Complete Dentures and Implant-Supported Prosthesis
<b>Author(s)</b>	George A. Zarb, Yoav Finer, Ting-Ling Chang, Sreenivas Koka
<b>Edition</b>	13th Edition
<b>Short Name</b>	Ref 1
<b>Other Information</b>	

**Course References**

Short name	Book name	Author(s)	Edition	Other Information
Ref 2	Glossary of Prosthodontic Terms	Academy of Prosthodontics	9th Edition	

**Instructor**

<b>Name</b>	Dr. Abdelrahman Badarneh
<b>Office Location</b>	Irbid Dental Teaching Centre L2
<b>Office Hours</b>	
<b>Email</b>	asbadarneh@just.edu.jo

**Class Schedule & Room**

Section 1:  
 Lecture Time: Thu : 10:00 - 11:00  
 Room: U

**Tentative List of Topics Covered**

Weeks	Topic	References
Week 1	Introduction to the course : On Being Edentulous	From Ref 1
Weeks 2, 3	Anatomy of the denture bearing area I , II	From Ref 1, From Ref 2
Weeks 4, 5	Impression Procedures for edentulous patients I,II	From Ref 1, From Ref 2
Weeks 6, 7	Jaw Relation Record I, II	From Ref 1
Weeks 8, 9	Teeth Setting I,II	From Ref 1
Week 13	The try-in appointment	From Ref 1
Week 11	Insertion appointment	From Ref 1
Week 12	Retention,Support and Stability	From Ref 1
Week 13	Speech Considerations	From Ref 1
Week 14	Materials Used in the Management of Edentulous Patients	From Ref 1

**Mapping of Course Outcomes to Program Outcomes and NQF Outcomes**

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Describe the anatomy, histology and physiology of the edentulous maxilla and mandible [11.2 Scientific Knowledge and Cognitive Skills] [1L7K1]	7%	

Describe the clinical and technical procedures involved in complete dentures fabrication [11.3 Scientific Knowledge and Cognitive Skills] [1L7K1, 1L7S2]	20%	
Explain the rational and limitations of the clinical and laboratory procedures involved in complete dentures fabrication [11.4 Scientific Knowledge and Cognitive Skills] [1L7K1]	20%	
Modify the clinical and technical procedures involved in complete dentures fabrication according to the patient's specific needs and demands [12.1 Person Centered Care] [1L7S3, 1L7C4]	8%	
Perform safely and effectively, all the laboratory procedures and some of the clinical procedures involved in complete dentures fabrication [12.2 Person Centered Care] [1L7S2]	36%	
Apply guidelines related to the safe use and maintenance of lab equipment and instruments [13.2 Responsibility, Communication, Professionalism and Ethics] [1L7C2]	2%	
Communicate respectfully and clearly in oral, written, and nonverbal form with the instructor, referral, dental team, colleagues and lab technicians [13.1 Responsibility, Communication, Professionalism and Ethics] [1L7C2, 1L7C4]	2%	
Develop interpersonal skills and capacity to carry responsibility to work with others in organized team and accept participation in the peer review process [13.5 Responsibility, Communication, Professionalism and Ethics] [1L7C3]	2%	
Develop the sense of guidance and goal directed searches of online resources to present materials requested for clinical or theoretical assignments [14.2 Critical Thinking, Problem Solving and Evidence-Based Practice] [1L7S3, 1L7C1]	3%	

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 Centered Care	2.2 Person Centered Care	2.3 Person Centered Care	2.4 Person Centered Care	3.1 Responsibility, Communication, Professionalism and Ethics	3.2 Responsibility, Communication, Professionalism and Ethics	3.3 Responsibility, Communication, Professionalism and Ethics
	7	20	20				8	36			2	2	

Relationship to NQF Outcomes (Out of 100%)						
L7K1	L7S2	L7S3	L7C1	L7C2	L7C3	L7C4
37	46	5.5	1.5	3	2	5

Evaluation	
Assessment Tool	Weight
Mid Term Exam	40%
Final Exam	60%

Policy	
Professionalism	<ul style="list-style-type: none"> <li>- Professions tend to be autonomous and self-sufficient which means having a high degree of control over one's affairs while having freedom to exercise professional judgment</li> <li>- As it is a trait, which can be easily enhanced, it is thus subject to self-interest and a continuous process of critical evaluation of ethics and procedure, Students are expected to develop their professionalism with an ethical code of conduct</li> <li>- Gross violations of these formal codes are governed by university laws, which delineate the procedures to determine whether a violation of the code of ethics occurred and, if so, what remedies should be imposed</li> <li>- Any difficulty or concern during the course should be passed directly to the course coordinator</li> <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>- Undelivered work will not be marked</li> <li>- Each student should set at the designated area/ The names will be mounted on each bench</li> <li>- Coordinating group work and positive participation is essential</li> </ul>
Lab Instructions	<ul style="list-style-type: none"> <li>- Cooperation and professionalism in the lab time are very helpful and encouraged to facilitate your progress in the course</li> <li>- A clean and tidy laboratory white coat must be worn and buttoned every session</li> <li>- Name badge must be worn during every laboratory session</li> <li>- No loose or dangerous jewelry, chains, bracelets, etc</li> <li>- Protective masks and glasses worn according to instructor's instructions.</li> <li>- All the instruments you need should be brought as soon as possible/ A list of that will be provided/</li> <li>- You should leave your worktop as clean as possible ? Marks are counted towards continuous assessment</li> <li>- Only lab materials and instruments are allowed on bench tops. All personal items, coats and bags are to be placed under benches or on window benches</li> <li>- Fire safety protocols are followed.</li> <li>- Long hair, ties and long scarfs must be kept tied back safely</li> <li>- No food or drink of any kind is allowed in the laboratory. (Keep in bags or lockers)</li> <li>- Mobile phones portable digital devices are permitted to aid in-lab activities. But social websites and calls are halted</li> <li>- Radios/portable audio player-earphones are not permitted</li> <li>- Students are responsible for the equipment they are assigned and will be required to replace lost/damaged equipment</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>- Average value articulators of high quality (e.g ASA 5000 ITALY, or Hanau or better)</li> <li>- White lab coat and Lab coat name tag</li> <li>- Name tag</li> <li>- Gloves</li> <li>- Protective eye glasses</li> <li>- Face mask</li> <li>- Wax knife (long)</li> <li>- Le Cron wax carver</li> <li>- Rubber bowl (large and thick walled)</li> <li>- Metal plaster spatula (flat-ended preferable)</li> <li>- Plaster Knife</li> <li>- Small 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 (red, blue pencil)</li> <li>- Pencil / pencil sharpener</li> <li>- Fine point permanent marker (CD marker, Sharpie) (blue/black)</li> <li>- Short ruler (10 - 15 cm)</li> <li>- Tooth brush</li> <li>- Key ring name tag to be attached to articulators.</li> <li>- Plastic keychain tag</li> <li>- Acrylic burs: Large pear-shaped, thin fissured (Ø 1.5 - 2.0 mm), medium round (Ø 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>- Paining brush</li> </ul>
Makeup Exams	- It is applicable when an acceptable and valid excuse is presented at the applicable time
Cheating	<ul style="list-style-type: none"> <li>- It is unethical and illegal by any means</li> <li>- JUST regulations will be applicable</li> <li>- The work should be your own, otherwise it will be scored 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>- Entry for lab activities is mandatory at 12:30 pm</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	- To receive course credit, a student should attend a minimum of 90% of the contact hours of the class; meaning losing only one lab session
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>
Course Changes	<ul style="list-style-type: none"> <li>- The course coordinator reserves the right to add or delete material from courses and will endeavour 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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