Jordan University of Science and Technology

Faculty of Applied Medical Sciences

Dental Technology Department

TDEN324 Advanced Removable Prosthodontics
Second Semester 2023-2024

Course Catalog
1 Credit Hours. Digital Removable Prosthodontics is a comprehensive course designed to introduce dental technology students to the principles, techniques, and technologies involved in designing and fabricating removable prostheses using digital workflows. The course covers various aspects of digital dentistry applied to removable prosthodontics, including impression scanning, CAD/CAM design, materials selection, and clinical considerations.
Teaching Method: Blended

Text Book	
Title	Clinical Applications of Digital Dental Technology. (2023). United Kingdom: Wiley.
Author(s)	Radi Masri, Carl F. Driscoll
Edition	2nd Edition
Short Name	1
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
2	Digital Removable Partial Denture Technology: From Design Analysis to Practical Skills. Germany: Springer Nature Singapore	2. Yu, H.	2nd Edition	

Instructor	
Name	**Dr. Noor Nawafleh**
Office Location	Faculty of Applied Medical Sciences/Second Floor
Office Hours	
Email	nanawafleh@just.edu.jo

Class Schedule & Room
Section 1: Lecture Time: Mon : 09:00 - 10:00 Room: M4202 Section 2: Lecture Time: Mon : 12:00 - 13:00 Room: M4203

Tentative List of Topics Covered		
Weeks	**Topic**	**References**
Week 1	Overview of digital dentistry Evolution of digital technologies in prosthodontics	
Week 2	Applications of digital dentistry in removable prosthodontics	
Week 3	CAD/CAM workflow for designing removable prostheses	
Week 4	Principles of intraoral scanning	
Week 5	Computer-aided design (CAD) softwares	
Week 6	Computer-aided design (CAD) software	
Week 7	Design principles for removable prostheses	
Week 8	Design principles for removable prostheses	
Week 9	Materials for Digital Removable Prosthodontics	
Week 10	Materials for Digital Removable Prosthodontics	
Week 11	Clinical Considerations in Digital Removable Prosthodontics	
Week 12	Case presentations and discussion	
Week 13	Case presentations and discussion	

Mapping of Course Outcomes to Program Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Gain working knowledge on alternative techniques in removable prosthodontics.	15%	
Gain knowledge in contemporary technologies in removable prosthodontics (CAD/CAM and 3D printing)	25%	
Be competence in laboratory technical skills required to apply altered cast technique in RPDs and fabricate immediate dentures (complete and partial)	10%	
Have an exposure to both rotational path and swing lock RPDs	10%	
Have an exposure to precision attachment RPDs and overdentures.	25%	
Have an exposure to various combination cases in removable prosthodontics	15%	

Relationship to Program Student Outcomes (Out of 100%)									
PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10

Policy	
Cheating	Cheating the commitment of the Acts of Cheating and deceit such as copying during examinations is dishonest and will not be tolerated; JUST policy will be applied.
Attendance	Student attendance and responsibility: Lateness more than 10 minutes is considered as an unexcused absence. JUST POLICYwill be applied regarding absences.
Announcements	Course related announcements will be available on the E-learning website (It is the student's responsibility to keep checking the website)
Feedback	Concerns or complaints should be expressed in the first instance to the course instructor. If no resolution is forthcoming, then the issue should be brought to the attention of the Department Chair and if still unresolved to the Dean. Questions about the material covered in the lecture, notes on the content of the course, its teaching and assessment methods can be also sent by e-mail.

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