



Jordan University of Science and Technology
Faculty of Applied Medical Sciences
Dental Technology Department

TDEN474 Dental Implants Practical
Second Semester 2023-2024

Course Catalog
<p>2 Credit Hours. This course is two credit hours (practical) and is designed to Dental Technology undergraduate students at their fourth year of study. It provides the dental technology students with the practical skills on the fabrication of implant-retained restorations/prostheses for both partial and complete edentulous cases, from planning and making of the surgical stent to delivery of the final restoration/prosthesis. They will also learn about the currently available implant systems in Jordan and worldwide and understand the differences between those multiple systems</p>
Teaching Method: On Campus

Text Book	
Title	Contemporary Fixed Prosthodontics
Author(s)	Stephen F. Rosenstiel, Martin F. Land, Junhei Fujimoto
Edition	5th Edition
Short Name	Ref #1
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref #2	Dental Implant Prosthetics	Carl E. Misch	2nd Edition	
Ref #3	Implant prosthodontics: Clinical and laboratory procedure	Fredrickson, Stevens and Gress	1st Edition	

Instructor	
Name	Dr. Abdel Rahim Bibars
Office Location	Faculty of Applied Medical Sciences 2nd floor - Main Email address:abd.baibars@gmail.com

Office Hours	Sun : 08:00 - 08:30 Mon : 08:00 - 09:30 Tue : 15:00 - 16:30 Wed : 08:00 - 10:30
Email	ambibars@just.edu.jo

Instructor	
Name	Dr. Shareen Elshiyab
Office Location	Department of Applied Dental Sciences
Office Hours	Sun : 08:00 - 09:30 Mon : 08:00 - 09:30 Mon : 15:30 - 16:00 Tue : 08:00 - 09:30 Wed : 08:00 - 09:00
Email	shelshiyab@just.edu.jo

Class Schedule & Room
<p>Section 1: Lecture Time: Sun : 09:30 - 15:30 Room: LAB</p> <p>Section 2: Lecture Time: Sun : 09:30 - 15:30 Room: LAB</p> <p>Section 3: Lecture Time: Sun : 09:30 - 15:30 Room: LAB</p> <p>Section 4: Lecture Time: Sun : 09:30 - 15:30 Room: LAB</p> <p>Section 5: Lecture Time: Sun : 09:30 - 15:30 Room: LAB</p> <p>Section 6: Lecture Time: Sun : 09:30 - 15:30 Room: LAB</p> <p>Section 7: Lecture Time: Sun : 09:30 - 15:30 Room: LAB</p>

Tentative List of Topics Covered		
Weeks	Topic	References
Weeks 1, 2	Preparation for upper and lower surgical guide	

Weeks 3, 4	Acrylic for upper and lower surgical guide	
Weeks 5, 6	Impression for lower and Upper cast (open and closed techniques)	
Weeks 7, 8	Abutment selection, modification and core construction	
Week 9	Overdenture Demonstration	
Weeks 10, 11	construction of implant supported Overdenture - wax up and teeth setting	
Weeks 12, 13	Flasking and packing overdenture	
Week 14	Catch-up sessions	

Mapping of Course Outcomes to Program Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
To construct implant surgical guide	15%	
To demonstrate ability to deal with impressions (open and closed tray technique)	10%	
To demonstrate ability to differentiate between the different abutment versions and choose the suitable one, and learn the skills to modify a stock abutment of a certain case	25%	
To differentiate between the different parts used in implant system	15%	
To construct an implant supported crown and an implant supported overdenture	35%	

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

Date Printed: 2024-03-20