



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

TDEN462 Esthetic Prosthodontics (2)

Second Semester 2023-2024

Course Catalog

2 Credit Hours. This course is designed for Dental Technology undergraduate students in their fourth year; it is a 2 credit hours? practical course. It is the practical component of the TDEN461 course and provides the dental technology students with further working knowledge and skills on the fabrication of adhesive retained restorations, crowns, and bridges. Also, students will be exposed to and practice the current available metal-free restoration systems, including the latest CAD/CAM technology. All students will practice in a real-work environment and will be able to apply their previous knowledge to fabricate the restorations. This will help prepare the students beyond graduation by providing them with the practical experience and skills to enable handling patients' cases.

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	Resin-Bonded Fixed Dental Prosthesis : Minimally Invasive ? Esthetic ? Reliable	Matthias Kern	1st Edition	
Ref #3	The science and art of porcelain laminate veneers	G?urel, Galip	1st Edition	

Instructor

Name	Dr. Abdel Rahim Bibars
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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

Section 1:

Lecture Time: Mon : 09:30 - 15:30

Room: LAB

Section 2:

Lecture Time: Mon : 09:30 - 15:30

Room: LAB

Section 3:

Lecture Time: Mon : 09:30 - 15:30

Room: LAB

Section 4:

Lecture Time: Mon : 09:30 - 15:30

Room: LAB

Section 5:

Lecture Time: Mon : 09:30 - 15:30

Room: LAB

Section 6:

Lecture Time: Mon : 09:30 - 15:30

Room: LAB

Section 7:

Lecture Time: Mon : 09:30 - 15:30

Room: LAB

Section 8:

Lecture Time: Mon : 09:30 - 15:30

Room: LAB

Section 9:

Lecture Time: Mon : 09:30 - 15:30

Room: LAB

Section 11:

Lecture Time: Mon : 09:30 - 15:30

Room: LAB

Section 12:

Lecture Time: Mon : 09:30 - 15:30

Room: LAB

Section 13:

Lecture Time: Mon : 09:30 - 15:30

Room: LAB

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Waxing of an anterior bridge	
Week 2	Scan and design an anterior veneer for a cutback technique for IPS e.max CAD core	

Week 3	Sprue, invest and press the anterior bridge	
Week 4	Nest the IPS e.max veneer, mill, and check fitting	
Week 5	Divest the pressed bridge	
Week 6	Finish the IPS e.max veneer core and start layering with IPS e.max Ceram	
Week 7	Porcelain build-up, stain, glaze and finish the pressed bridge	
Week 8	Stain and glaze the IPS e.max veneer	
Week 9	Design a monolithic IPS e.max ZirCad crown, nest the Zr crown and mill	
Week 10	Design a monolithic IPS e.max ZirCad crown, nest the Zr crown and mill	
Week 11	Fit the milled monolithic Zr crown on the model, sinter, stain, and glaze	
Week 12	Fit the milled monolithic Zr crown on the model, sinter, stain, and glaze	
Week 13	Catch-up lab session	
Week 14	Final Exam	

Mapping of Course Outcomes to Program Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
To learn and differentiate between the different all-ceramic restoration types and materials used to fabricate all-ceramic restorations; zirconia and lithium disilicate	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	
Statement on Professionalism	Professional behavior is expected of students at all times. Attitude and professional behavior are a minimum criterion for passing this course. Examples of unprofessional behavior include but are not limited to missing classes, tardiness, lack of attention for a speaker, leaving a laboratory session prior to its completion without prior authorization of the instructor, and sleeping during the laboratory session
Cell phone	The use of cellular phones is prohibited in classrooms and during exams. The cellular phone must be switched off in classrooms and during exams.
Attendance	Attending the class will enhance your grade. The student is responsible for any information discussed in the sessions. It is imperative to attend all classes!
Absences	University regulations will be applied. Students are not allowed to be absent for more than 20% of the sessions for any reason or excuse. If a student exceeds the absence limit, he/she will not be allowed to sit future course exams. (Please review university regulation for more details)

Lab Policies	<ul style="list-style-type: none">- Students are required to attend course labs with their lab coats and adhere to laboratory safety and working guidelines.- Each student should leave their working bench clean.- No food, drinks, gum are allowed.- No lab work should be completed outside the lab or taken home for any reason. All lab work should be submitted to the teaching assistants by the end of the lab.- DO NOT leave the lab without permission from the course coordinator or the Teaching Assistants.
Make-up Exam	Make-up exams are entitled for students who miss the exam with accepted legal or medical excuse endorsed by the instructor within 24 hours after the scheduled exam (Please review university regulation for more details)
Cheating	University regulations will be applied in cases of cheating and/or plagiarism

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