



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

TDEN461 Esthetic Prosthodontics (1)

Second Semester 2023-2024

**Course Catalog**

1 Credit Hours. This course is designed to the undergraduate students at the fourth year. It is a one credit hour course (Theoretical). It provides dental technology students with a theoretical knowledge on the fabrication of the adhesive retained restorations, and exposes the students to the current free metal restoration systems available. The course also introduces the Computer aided design/ computer aided manufacturing concept

**Teaching Method:** Blended

**Text Book**

<b>Title</b>	Resin-Bonded Fixed Dental Prosthesis
<b>Author(s)</b>	Matthias Kern
<b>Edition</b>	1st Edition
<b>Short Name</b>	Reference 1
<b>Other Information</b>	

**Course References**

Short name	Book name	Author(s)	Edition	Other Information
Reference 2	Contemporary Fixed Prosthodontics	Stephen F. Rosenstiel, Martin F. Land, Junhei Fujimoto	5th Edition	
Reference 3	The science and art of porcelain laminate veneers	G?urel, Galip	1st Edition	

**Instructor**

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

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<b>Class Schedule &amp; Room</b>
Section 1: Lecture Time: Tue : 08:30 - 09:30 Room: LAB  Section 2: Lecture Time: Sun : 15:30 - 16:30 Room: LAB

<b>Prerequisites</b>		
Line Number	Course Name	Prerequisite Type
513840	TDEN384 Digital Fixed Prosthodontics	Prerequisite / Study

<b>Tentative List of Topics Covered</b>		
Weeks	Topic	References
Weeks 1, 2, 3, 4	Resin Bonded Bridges: Definition and indication and Preparation guidelines	From Reference 1
Week 5	Introduction into porcelain laminate veneer (PLV) Part I: Definition, Preoperative Evaluation, preparation and laboratory techniques	From Reference 3
Week 6	Introduction into porcelain laminate veneer (PLV) Part II : Clinical preparation	From Reference 3
Week 7	Porcelain laminate veneers (PLV) Part III: Laboratory procedures	From Reference 3
Week 7	Pressable Ceramic: IPS Empress Definition, Indication and Contraindication	From Reference 2
Week 8	IPS-Empress: Waxing + spruing rules	From Reference 2
Week 9	IPS Impress Techniques: Build-up vs staining + Cut back	From Reference 2
Week 10	Introduction to computer aided design / computer aided manufacturing (CAD/CAM) - Part 1	From Reference 2

Week 11	Introduction to computer aided design / computer aided manufacturing (CAD/CAM) - Part 2	From Reference 2
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Mapping of Course Outcomes to Program Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Understand the principles of resin bonded fixed partial denture (RBFDP)	20%	
Understand the indications and treatment planning for Laminate veneers	30%	
Understand the principle of pressable ceramic (IPS Empress e.max) including laboratory steps and how to control the tooth shade and translucency	30%	
Ability to design a simple one unit restoration using computer aided design/ Computer aided manufacturing (CAD/CAM)	20%	

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 class. Examples of unprofessional behavior include but are not limited to: missing classes, tardiness, lack of attention for a speaker, talking to others during lecture, leaving a lecture prior to its completion without prior authorization of the instructor, working on other class material during class, and sleeping during class
Cheating	University regulations will be applied in cases of cheating and/or plagiarism
Cell Phone	The use of cellular phone is prohibited in class rooms and during exams The cellular phone must be switched off in class rooms and during exams
Attendance	No points will be count for points attendance of this class, however attending the lectures will greatly enhance your grade. The student is responsible for any information discussed in lecture 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 lectures for any reason or excuse. If a student exceeds the absence limit, he or she will not be allowed to sit for future course exams. (Please review university regulation for more details)
Make-up Exams	Make-up exams is 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)
Feedback	Concerns, complaints, questions, and/or feedback are appreciated and will be important for the instructor. You can contact your instructor using the e-mail or during office hours

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