



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

TDEN331 Fixed Prosthodontics (2) - JNQF Level: 6

Second Semester 2023-2024

Course Catalog

1 Credit Hours. This course is designed for undergraduate students in the third year. The course is theoretical will provide the students with a theoretical background that includes explanations of technical and clinical aspects of metal-ceramic fixed prostheses

Teaching Method: Blended

Text Book

Title	Contemporary Fixed Prosthodontics
Author(s)	Rosentiel S F, Land M F & Fujimoto J.
Edition	5th Edition
Short Name	Ref #1
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref #2	Fundamentals of Fixed Prosthodontics	Shillingburg H T et al	4th Edition	
Ref #3	Metal Ceramics: Principles and methods of Makoto Yamamoto	Makoto Yamamoto	2nd 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	
Email	ambibars@just.edu.jo

Class Schedule & Room
Section 1: Lecture Time: Tue : 09:30 - 10:30 Room: LAB

Teaching Assistant
Rasha Elshayib(Section 1)

Prerequisites		
Line Number	Course Name	Prerequisite Type
512322	TDEN232 Fixed Prosthodontics (1)	Prerequisite / Study

Tentative List of Topics Covered		
Weeks	Topic	References
Week 1	Wax pattern	From Ref #1
Week 2	Framework design for Metal Ceramic Restoration (MCR)	From Ref #1
Week 3	Pontic design of MCR	From Ref #1
Week 4	Metal preparation for MCRs	From Ref #1
Week 5	Material science of porcelain & porcelain application I	From Ref #1
Week 6	Porcelain application II	From Ref #1
Week 7	Porcelain labial margin	From Ref #1
Week 8	Midterm Exam	
Week 9	Colour-replication process & aesthetic I	handouts & From Ref #1
Week 10	Colour-replication process & aesthetic II	handouts & From Ref #1
Week 11	Material selection for MCR ? Metal, casting alloy, investment & porcelain	From Ref #1
Week 12	Porcelain-Alloy bonding	From Ref #1
Week 13	Porcelain condensation	From Ref #3
Week 14	porcelain troubleshooting	From Ref #1 , From Ref #3
Week 15	Revision	
Week 16	Final Exam	

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method

Revise basic knowledge of principles and techniques pertaining to the fabrication of metal-ceramic fixed partial dentures and crowns. [1PLO 1, 1PLO 3] [1L6K1, 1L6K2]	25%	Midterm, Final
Provide sufficient theoretical background to guide them while constructing the framework of metal-ceramic prostheses. [1PLO 1, 1PLO 3, 1PLO 6] [1L6C3, 1L6C4, 1L6C5]	35%	Midterm, Final
Demonstrate the necessary knowledge of principles and techniques pertaining to the porcelain application [1PLO 1, 1PLO 3] [1L6C3, 1L6C4, 1L6C5]	40%	Midterm, Final

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
44.17		44.17			11.67				

Relationship to NQF Outcomes (Out of 100%)				
L6K1	L6K2	L6C3	L6C4	L6C5
12.5	12.5	25	25	25

Evaluation	
Assessment Tool	Weight
Midterm	50%
Final	50%

Policy	
Statement on Professionalism	Professional behavior is expected of students at all times. Attitude and professional behavior are the 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 on cases of cheating and/or plagiarism
Cellular phone	The use of the cellular phone is prohibited in classrooms and during exams. The cellular phone must be switched off in classrooms and during exams.
Attendance	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!
Absence	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 Exam	Make-up exams are entitled to students who miss the exam with accepted legal or medical excuses 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 e-mail or during office hours

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