



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

TDEN202 Maintenance Of Equipments And General Safety In The Dental Technology Laboratory - JNQF Level: 6

Second Semester 2022-2023

**Course Catalog**

1 Credit Hours. This 1 credit hour course (theoretical) is designed for the Examination of the principles of dental laboratory management. It includes infection control guidelines and procedures, Occupational Safety and Health Administration (OSHA) regulations for dental laboratories, post exposure plan, legal and ethical aspects of the industry, National Association of Dental Laboratories, and establishing a dental laboratory and dealing with the dental laboratory equipments

**Text Book**

<b>Title</b>	Infection Control and Management of Hazardous material for the Dental Team
<b>Author(s)</b>	Miller & Palenik
<b>Edition</b>	3rd Edition
<b>Short Name</b>	Reference 1
<b>Other Information</b>	Mosby

**Instructor**

<b>Name</b>	<b>Dr. Noor Al-Mortadi</b>
<b>Office Location</b>	L2 -18
<b>Office Hours</b>	Sun : 08:00 - 09:00 Mon : 08:30 - 09:30 Tue : 09:00 - 12:00 Tue : 13:30 - 15:30 Thu : 13:30 - 15:30
<b>Email</b>	naalmortadi@just.edu.jo

**Class Schedule & Room**

Section 1:

Lecture Time: Tue : 12:30 - 13:30

Room: SB13

**Prerequisites**

Line Number	Course Name	Prerequisite Type
512322	TDEN232 Fixed Prosthodontics (1)	Pre./Con.

**Tentative List of Topics Covered**

Weeks	Topic	References
Week 1	Introduction to the Course	From <b>Reference 1</b>
Week 2	Dental laboratory and dental technician and Dental Equipments	From <b>Reference 1</b>
Week 3	General safety in Dental Laboratory	From <b>Reference 1</b>
Week 4	Laboratory Infection Control	From <b>Reference 1</b>
Week 5	Disinfection in Dental Laboratory	From <b>Reference 1</b>
Week 6	Personal Protective Equipment	From <b>Reference 1</b>
Week 7	Dental Material Hazards Handouts	From <b>Reference 1</b>
Week 8	Occupational Health hazards	From <b>Reference 1</b>
Week 9	Dental Waste materials	From <b>Reference 1</b>
Week 10	Electrical safety in dental laboratory	From <b>Reference 1</b>
Week 11	Burns in dental laboratory	From <b>Reference 1</b>
Week 12	Presentation of dental machines	From <b>Reference 1</b>
Week 13	Presentation of dental machines	From <b>Reference 1</b>
Week 14	Revision	From <b>Reference 1</b>

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Teach students all infection control guidelines and Occupational Safety and Health Administration (OSHA) regulations [115PLO 1, 10PLO 7] [10L6K1, 5L6K2, 10L6C5]	25%	
Teach students all dental hazards that produce from dental machines [10PLO 4, 5PLO 6, 10PLO 9] [10L6K1, 10L6K2, 5L6C4]	25%	

Teach students all the first aids that should be taken in case of fire or electrical hazards at the dental laboratory [15PLO 1, 10PLO 3] [10L6K1, 10L6K2, 5L6C4]	25%	
Describe the steps involved in establishing a dental laboratory including the furnishing of the dental lab as well as maintaining all devices and equipments in the laboratory, and discuss legal and ethical aspects of the dental laboratory industry. [15PLO 4, 5PLO 5] [5L6K2, 10L6S1, 10L6S2]	25%	

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
38		10	28.75	6.25	5	2		10	

Relationship to NQF Outcomes (Out of 100%)					
L6K1	L6K2	L6S1	L6S2	L6C4	L6C5
30	30	10	10	10	10

Evaluation	
Assessment Tool	Weight
Mid Term Exam	50%
Final Exam	50%

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 on 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 Exam	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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