



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

TDEN205 Dental Materials Practical

First Semester 2021-2022

Course Catalog

1 Credit Hours. This course is designed to the undergraduate students at the 2nd year and it is a one credit hour practical course which enables the second year students to be introduced, to examine and be able to differentiate between the different types of dental materials used in dental practice. This course is also linked to a theoretical course (TDEN 203) which provides introduction, knowledge and understanding of the dental materials commonly used in dental practice which may require use by the dental technicians.

Text Book

Title	Applied Dental Materials.
Author(s)	McCabe J. and Walls A.
Edition	9th Edition
Short Name	Main reference: Applied Dental Materials.
Other Information	Blackwell Publishers 2008

Instructor

Name	Mrs. Elina Al Twal
Office Location	Faculty of Applied Medical Sciences building-Second Floor
Office Hours	
Email	eqaltwal@just.edu.jo

Class Schedule & Room

Section 1:

Lecture Time: Sun : 13:30 - 16:30

Room: تكنولوجيا الاسنان

Section 2:

Lecture Time: Sun : 13:30 - 16:30

Room: مختبر صناعة الأسنان

Section 3:

Lecture Time: Sun : 13:30 - 16:30

Room: تكنولوجيا الاسنان

Section 4:

Lecture Time: Sun : 13:30 - 16:30

Room: مختبر صناعة الأسنان

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	orientation	
Weeks 2, 3	Impression materials (inelastic impression materials)	
Weeks 4, 5	elastic impression materials	
Weeks 6, 7	Gypsum materials and waxes	
Weeks 8, 9	Investments +metal alloys	
Weeks 10, 11	polymers	
Weeks 12, 13	Ceramics	
Week 14	Abrasives	

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
The student should be able to identify the various types of impression materials, their major properties, indications and manipulation procedures	15%	
The student should be familiar with the different materials used in processing of dental prosthesis and their properties such as gypsum materials, waxes , investment and abrasive materials	40%	
The students should be familiar with the different types of dental alloys and their uses in the dental practice	10%	
the students should be able to identify different restorative materials used in dentistry such as ceramics and composite materials, and be familiar with their properties, uses and handling characteristics	30%	

The students should be familiar with the safety procedures needed while dealing with dental materials (through the labs)	5%	
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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
Cell phone:	The use of cellular phone is prohibited in the laboratory 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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