

Course Syllabus

A. COURSE INFORMATION AND TEACHING STAFF

1. Course	Name	MAINTENANCE OF EQUIPMENT AND GENERAL SAFETY IN DENTAL TECHNOLOGY LABORATORIES					
	Code	080622150					
	Activity	Lecture					
	Credit hours	1					
	Semester	Fall 2023/2024					
	Pre-requisite	No Pre-Requisite					
2. Teaching staff, time and location	Section	Building	Room	Day	Time	Instructor	Office hours
	4	AFS	020	W	08:30-09:20	Dr.Areen ghassan shafee hammad Areen.hammad@aaup.edu	N 12:30 - 13:50

B. COURSE POLICIES

1. Commitment and Attendance	<p>Attendance is required; and university regulations in this regard are strictly applied. It is important to note the following:</p> <ol style="list-style-type: none"> The student is expected to follow all announcements issued by the university, faculty, department as well as the course instructor through the official channels. It is the student's full responsibility to get aware of these announcements and to react accordingly. The student has to communicate electronically with the course instructor, whenever needed, through the official channels exclusively which are limited to the AAUP email and Moodle messages only. The student is expected to attend all classes* and to arrive at classroom on time. If the instructor is late for class, the student must wait for at least 10 minutes before leaving the classroom. Absence by more than 25% of classes leads to an automatic withdrawal from the course (the grade W is assigned).
2. Performance of assessment activities	<p>The student must perform all course assessment activities, i.e. assignments, quizzes, exams etc. It is important to note the following:</p> <ol style="list-style-type: none"> Absence from an exam or a quiz other than the final exam leads to a zero mark in that exam or quiz. An exception allowing a makeup is made for a student submitting a legitimate excuse that is accepted by the instructor in a timely manner. Absence from the final exam leads to an FA grade that eventually turns to an F grade. An exception allowing a makeup exam is made if the student submits an official excuse that is accepted by the Academic Affairs in compliance with the university regulations.

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3. Academic Integrity	<p>The student is expected to be honest during the performance of assessment activities. While not limited to the list below, the following actions are examples of cheating:</p> <ol style="list-style-type: none"> 1. Copying from other students. 2. Using materials that are not authorized by the proctor during quizzes or exams. 3. Collaborating with other students during quizzes or exams. 4. Stealing or buying the content of exams, quizzes, and assignments. 5. Stealing ideas and work of others and presenting them as that of the student 	
4. Grading	<p>The university uses the letter grading system. It is important to note the following:</p> <ol style="list-style-type: none"> 1. The passing grade is D, and the corresponding score (out of 100) is determined at the end of the semester. 2. At the end of the semester, the scale of scores is determined by converting each 	
5. Learning and teaching methods	Lectures	Class sessions involve lectures, video shows, case studies, discussions, debates, and power-point presentations on topics and current issues related to the course contents.
	Readings	This must be a key responsibility to each student. Students should read the relevant parts of the textbook and other materials before class. They should be prepared to raise questions and to get engaged in arguments on related topics in the class schedule.
	Online learning	Online learning platforms are utilized to provide students with additional resources as well as a continuous access to the course material beyond the classroom.

C. COURSE DETAILS

1. Course description & purpose	This is a theoretical course that will help the students to obtain a complete understanding 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, and establishing a dental laboratory and dealing with the dental laboratory equipments.
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2. Course learning outcomes (CLOs)		Upon the completion of the course, students will be able to achieve the following learning outcomes:
	CLO1	Identify all infection control and sterilisation guidelines
	CLO2	Recognize the basic guidelines in establishing a dental laboratory
	CLO3	Adapt to the occupational safety and health administration (OSHA) regulations
	CLO4	Summarize most of the dental equipments and devices and familiarize the students to them
	CLO5	Demonstrate a clear understanding of good maintenance for all dental devices and equipments in the lab
	CLO6	Describe all legal and ethical aspects in the dental laboratory industry

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3. Assessments	Assessment tool	Weight %	CLOs	Due week
	Mid. Term	40%	1,2,3,4	
	Quiz	10%	2,4,5	
	Final Exam	50%	1,2,3,4,5,6	
	Total	100%		

null

4. CLOs assessment	Outcomes	CLO 1	CLO 2	CLO 3	CLO 4	CLO 5	CLO 6
	1 - Mid. Term	✓	✓	✓	✓		
	2 - Quiz		✓		✓	✓	
	3 - Final Exam	✓	✓	✓	✓	✓	✓

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5. Course
schedule

Week	Topics	Study material	Assignment	CLOs
1	intoduction to the course	Guidelines for Occupational Safety and Health in the Dental Laboratory Second Edition		1,2
2	general difintions, rules, and terms	Infection Control and Management of Hazardous material for the Dental Team		1,2
3	rules and guidlines in dental safety	Guidelines for Occupational Safety and Health in the Dental Laboratory Second Edition		1,2,3
4	General safety in Dental Laboratory	Guidelines for Occupational Safety and Health in the Dental Laboratory Second Edition		1,2,3
5	Laboratory Infection Control	Infection Control and Management of Hazardous material for the Dental Team		1,3
6	midterm			1,2,3,4
7	Disinfection In Dental Laboratory	Infection Control and Management of Hazardous material for the Dental Team		1,3
8	disinfection	Guidelines for Occupational Safety and Health in the Dental Laboratory Second Edition		1,3,4,5

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5. Course schedule	Week	Topics	Study material	Assignment	CLOs
	9	Personal Protective Equipment	Tony Johnson, David G. Patrick, ChristopherW. Stones, David G. Wildgoose, and Duncan wood, Basics of dental technology step by step approach, 1st edition, Wiley-Blackwell Ltd, 2011		1,3
	10	Occupational Health hazards	Infection Control and Management of Hazardous material for the Dental Team		4,5,6
	11	Electrical safety in dental laboratory	Infection Control and Management of Hazardous material for the Dental Team		1,2,3,4, 5,6
	12	dental instruments strilisation 1	Infection Control and Management of Hazardous material for the Dental Team		3,4,5,6
	13	Dental Instrument Sterilization li	Infection Control and Management of Hazardous material for the Dental Team		3,4,5,6
	14	Maintenance and Repair	Infection Control and Management of Hazardous material for the Dental Team		1,2,3,4, 5,6
	15	Dental Equipment	Tony Johnson, David G. Patrick, ChristopherW. Stones, David G. Wildgoose, and Duncan wood, Basics of dental technology step by step approach, 1st edition, Wiley-Blackwell Ltd, 2011		3,4,5



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5. Course schedule	Week	Topics	Study material	Assignment	CLOs
	16	final			1,3,4,5,6

D. COURSE MATERIAL

1. Textbook	<ul style="list-style-type: none"> Guidelines for Occupational Safety and Health in the Dental Laboratory Second Edition
2. Reference material	Tony Johnson, David G. Patrick, Christopher W. Stones, David G. Wildgoose, and Duncan wood, Basics of dental technology step by step approach, 1st edition, Wiley-Blackwell Ltd, 2011
3. Internet resources	