Course Syllabus

A. COURSE INFORMATION AND TEACHING STAFF

1. Course	Name	FUNDAMENTALS OF DENTAL TECHNOLOGY
	Code	080622260
	Activity	Lecture
	Credit hours	1
	Semester	Spring 2024/2025
	Pre-requisite	No Pre-Requisite

2. Teaching staff, time and location	Section	Building	Room	Day	Time	Instructor	Office hours
	1	AFS	222	M	12:30-13:20	Dr.lana Netham Nimer Sawaftah lana.Sawaftah@aaup.edu	N 10:00 - 11:50 T 11:30 - 12:30

B. COURSE POLICIES

1. Commitment and Attendance

Attendance is required; and university regulations in this regard are strictly applied. It is important to note the following:

1. 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.
2. 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.
3. The student is expected to attend all classes* and to arrive at classroom on time.
4. If the instructor is late for class, the student must wait for at least 10 minutes before leaving the classroom.
5. Absence by more than 25% of classes leads to an automatic withdrawal from the course (the grade W is assigned).
6. The use of mobile phones or any other smart electronic devices is strictly prohibited during classes.

*a class refers to a lab session in case of labs.

2. Performance of assessment activities

The student must perform all course assessment activities, i.e. assignments, quizzes, exams etc. It is important to note the following:

1. 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.
2. 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.
3. Late policy is applied if the student fails to submit his/her assignments and/or projects in due time.

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3. Academic Integrity	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: 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 (known in academia as plagiarism). 6. Using mobile phones or any other smart electronic devices during quizzes or exams.	
4. Grading	The university uses the letter grading system. It is important to note the following: 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 score range to an appropriate letter grade.	
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.
	In class learning activities	Students are encouraged to learn actively individually and cooperatively in groups. Students are expected to engage with the material, participate in the class, and collaborate with each other. Students will be asked to analyze an argument, demonstrate role play, discuss case studies, make presentations, or apply a concept to a real-world situation.
	Feedback	The instructor provides the students with feedbacks on their performance throughout the course, which can help them to realize their weaknesses and work harder to improve their performance.
	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 theoretical course cover detailed of dental technology, lab instruments, equipment and Standards for Dental work place management, with emphasize on the Basic materials that used in all lab works and infection control in the dental labs

2. Course learning outcomes (CLOs)		**Upon the completion of the course, students will be able to achieve the following learning outcomes:**
	CLO1	Understand the fundamental principles and terminology of dental technology across various disciplines of dental science.
	CLO2	Recognize different materials, instruments, and equipment used in the dental laboratory and their applications.

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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:
	CLO3	Distinguish between various types of articulators and their specific uses.
	CLO4	Identify the essential technical procedures related to dental technology.

3. Assessments	Assessment tool	Weight %	CLOs	Due week
	Mid. Term	30%	1,2,4	
	Final Exam	50%	1,2,3,4	
	Quiz	20%	1,2	
	Total	100%		

4. CLOs assessment	Outcomes	CLO 1	CLO 2	CLO 3	CLO 4
	1 - Mid. Term	√	√		√
	2 - Final Exam	√	√	√	√
	3 - Quiz	√	√		

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	Week	Topics	Study material	Assignment	CLOs
5. Course schedule	1	Introduction to dental technology	Philips science of dental materials, Edition 12 chapter 1		1
	2	Equipments used in dental technology	Philips science of dental materials, Edition 12 chapter 10,11		1,2
	3	Instruments used in dental technology	Philips science of dental materials, Edition 12 chapter 10,11		1,2
	4	Dental impression 1. Primary impression2. Stock impression trays	Philips science of dental materials, Edition 12 chapter 8		1,2
	5	Dental impression 1. Final impressionSpecial impression tray	Philips science of dental materials, Edition 12 chapter 8		1,2
	6	Poring impression techniques Trimming models	Philips science of dental materials, Edition 12 chapter 9		1,2,4
	7	midterm exam	Philips science of dental materials, Edition 12 chapter 1,8,9,10,11		1,2,4
	8	Articulator 1. Jaw movementType of articulator	contemporary fixed prosthodontics, Edition 5, chapter2		3
	9	Wax in Dentistry I	Philips science of dental materials, Edition 12 chapter 10		1,2
	10	Wax in Dentistry II	Philips science of dental materials, Edition 12 chapter 10		1,2

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	Week	Topics	Study material	Assignment	CLOs
5. Course schedule	11	Complete denture	Philips science of dental materials, Edition 12 chapter 6.19		1,2,4
	12	Partial Denture (including components)	Philips science of dental materials, Edition 12 chapter 6,19		1,2,4
	13	denture relining	Philips science of dental materials, Edition 12 chapter 19		1,2,4
	14	denture rebasing	Philips science of dental materials, Edition 12 chapter 19		1,2,4
	15	cast preparation for fixed dentures	Philips science of dental materials, Edition 12 chapter 9		1,2,4
	16	final exam	Philips science of dental materials, Edition 12 chapter 1,6,8,9,10,11,19		1,2,3,4

D. COURSE MATERIAL	
1. Textbook	Philips science of dental materials ,Edition 12 contemporary fixed prosthodontics, Edition 5
2. Reference material	Philips science of dental materials ,Edition 12 contemporary fixed prosthodontics, Edition 5
3. Internet resources	