

Module (Oral physiology) Catalogue 2025-2026

College/ Institute	Erbil medical technical institute	
Department	Department of dental assistant	
Module Name	Oral Physiology	
Module Code		
Degree	Technical Diploma <input checked="" type="checkbox"/> Bachelor <input type="checkbox"/> High Diploma <input type="checkbox"/> Master <input type="checkbox"/> PhD <input type="checkbox"/>	
Semester	2nd	
Qualification	BDS, MSC. PhD Orthodontics	
Scientific Title	lecturer	
ECTS (Credits)	6	
Module type	Prerequisite <input type="checkbox"/>	Core <input checked="" type="checkbox"/> Assist. <input type="checkbox"/>
Weekly hours	5	
Weekly hours (Theory)	(2)hr Class	(24)Total hrs Workload
Weekly hours (Practical)	(3)hr Class	(36)Total hrs Workload
Number of Weeks	12	
Lecturer (Theory)		
E-Mail & Mobile NO.		
Lecturer (Practical)	Dr.Haval Jalal Rasheed	
E-Mail & Mobile NO.	Haval.rasheed@epu.edu.iq	
Websites		

Course Book

<p>Course Description</p>	<p>This course provides a comprehensive study of the physiological mechanisms governing the normal functions of the oral cavity and associated structures. It covers saliva formation and function, mastication, swallowing, speech, taste, and oral sensory processes, with emphasis on their regulation and integration. The course highlights the clinical relevance of oral physiology as a foundation for understanding oral health, disease mechanisms, and dental practice</p>
<p>Course objectives</p>	<ol style="list-style-type: none"> 1. To describe the physiological functions of oral tissues and organs, including saliva, mastication, swallowing, and speech. 2. To explain the relationship between normal oral physiology and common dental and systemic conditions. 3. To apply oral physiology principles in clinical decision-making, diagnosis, and preventive dental care.
<p>Student's obligation</p>	<p>Students are required to attend lectures and practical sessions regularly and participate actively in learning activities.</p> <p>Students must complete all assigned coursework, practical exercises, and assessments within the specified deadlines.</p> <p>Students are expected to adhere to academic integrity, professional conduct, and institutional regulations throughout the course.</p>
<p>Required Learning Materials</p>	<ul style="list-style-type: none"> • Classroom lectures • Demonstrations • Tests and exams • Review for exams • Textbook reading assignments <p>Using: data show, white board, videos , pre lecture printed paper including all lecture information's, using anatomical models , 3D applications available wither on PC or smart phones.</p>

Evaluation	Task		Weight (Marks)	Due Week	Relevant Learning Outcome
	Paper Review		0		
	Assignments	Homework	6		
		Class Activity	0		
		Report	8		
		Seminar	3		
		Essay	8		
		Project	8		
	Quiz		2		
	Lab.		0		
	Midterm Exam		25		
	Final Exam		40		
	Total		100		
Specific learning outcome:	<p>By the end of this course, students will be able to explain the normal physiological functions of oral tissues, including saliva, mastication, swallowing, and speech.</p> <p>Students will be able to relate oral physiological mechanisms to common dental and systemic conditions encountered in clinical practice.</p> <p>Students will be able to apply principles of oral physiology to support diagnosis, treatment planning, and preventive dental care.</p>				
Course References:	<ol style="list-style-type: none"> 1. <i>Applied Oral Physiology 2nd Edition - June 1, 1988</i> 2. <i>Fundamentals of Oral Anatomy, Physiology and Histology 1st Edition September 27, 2018</i> 3. <i>Berne & Levy Physiology 7th Edition - January 18, 2017</i> 4. <i>Textbook of Oral Anatomy, Physiology, Histology and Tooth Morphology 2/e Paperback – January 1, 2017</i> 5. <i>Fundamentals of Oral Anatomy, Physiology and Histology E –Book</i> 6. <i>Anatomy and Physiology of Speech and Hearing 1st Edition</i> 				

Course topics (Theory)	Week	Learning Outcome
Introduction	1	Terminology & landmarks
swallowing	2	Terminology & landmarks
pain	3	Terminology & landmarks
taste	4	Terminology & landmarks
Mastication	5	Terminology & landmarks
Speech	6	Terminology & landmarks
Olfactory system	7	Terminology & landmarks
Taste	8	Terminology & landmarks
Mastication	9	Terminology & landmarks
The Oral Mucosa	10	Terminology & landmarks
Wound Healing	11	Terminology & landmarks
Dental Plaque	12	Terminology & landmarks
Practical Topics	Week	Learning Outcome
Introduction	1	Terminology and technique
swallowing	2	Terminology and technique

pain	3	Terminology and technique
taste	4	Terminology and technique
Mastication	5	Terminology and technique
Speech	6	Terminology and technique
Olfactory system	7	Terminology and technique
Taste	8	Terminology and technique
Mastication	9	Terminology and technique
The Oral Mucosa	10	Terminology and technique
Wound Healing	11	Terminology and technique
Dental Plaque	12	Terminology and technique

Questions Example Design

1. Compositional: Q/ Innumerate the Phases of Swallowing?

1. Preparatory Phase
2. Oral Phase
3. Pharyngeal phase
4. Esophageal Phase

2. True or false type of exams: Phonation The expired air vibrates the soft lining of the vocal folds and sound is produced..... (True)

3. Multiple choices:

Q/ Injured tissue releases the following mediators of pain:

A-Substance P B- PPS C- Bradykinin D- All true

Extra notes:

A better learning objective will be achieved through demonstrations using prosected cadavers, anatomical models if available.

External Evaluator

من د. شاهده رسول پزیشکی ددان و پسیپوری بواری نه خوشیه کانی بووک (ماموستا) نه هه مان به ش چاوم خشانده به م کوریکوله م دا هه ستم به وه کرد که بابه ته کان نه که ل ناوهر و که کان لیکه وه نزیکن و به باشی مافی بابه ته که دراوه