

Course Book

<p>Course Description</p>	<p>The subject area deals with temporomandibular dysfunction (TMD), ie. orofacial pain, jaw joint problems and masticatory muscle genes, both as local diseases / disorders or in relation to general disorders. Clinical Oral Physiology teaches oral neurophysiology, oral function, jaw joint function and chewing muscle activity as well as occlusion and attrition and physiology and pathophysiology of the disorders. Patients are recruited primarily by referral from dentists in municipal and private practice, doctors and specialists.</p>
<p>Course objectives</p>	<ol style="list-style-type: none"> 1. To ensure that the student understands the basic physiological functions of orofacial systems. 2. To encourage the habit of relating physiological principles to clinical dentistry. Understanding the signs, symptoms, pathology and treatment of dental disease is based upon a thorough knowledge of oral physiology. 3. To provide students with the appropriate knowledge of oral physiology that is required for subsequent courses in the dental curriculum, including, oral medicine, oral pathology, oral surgery, and pharmacology .
<p>Student's obligation</p>	<ul style="list-style-type: none"> • Demonstrate professional behaviour by completing all course requirements, including course evaluations, in a timely manner. • Demonstrate responsibility and accountability by attending and being punctual at all required course activities such as laboratory sessions, blessing ceremonies, and exams. Demonstrate professional behaviour by requesting any excused absence from required course activities well ahead of the scheduled date
<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:	<ol style="list-style-type: none"> 1. describe the oral cavity mucosa, its types, and their function 2. describe the functions of teeth 3. describe the structure and function of the periodontium 4. describe the structure and function of the temporomandibular joint and muscles of mastication 5. describe the function of salivary glands and saliva 				
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 مه 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