Vocational School of Health Services / Dental Prosthetics Technology

2024 - 2025 Academic Year

FUNCTIONAL OCCLUSION

Syllabus

Course Description					
Name	**Code**	**Semester**	**T+A Hour**	**Credit**	**ECTS**
FUNCTIONAL OCCLUSION	DPT1263010	Spring Semester	2+4	4	6

Prerequisites Courses	
Recommended Elective Courses	
Language of Instruction	Turkish
Course Level	Short Cycle (Associate's Degree)
Course Type	Required
Course Coordinator	
Name of Lecturer(s)	Lect. Beyza TANDOĞAN
Assistant(s)	
Aim	Course objective is to provide knowledge about the masticatory system's action and physiology, it's relation with teeth and periphery tissue, and being able to interrogate the principles necessary for the treatment of masticatory system's diseases.
Course Content	This course contains; Temporomandibular joint anatomy,Biological rules that organizes the functions of muscles running mandibula,Basic positions by which mandibular activity begins (centric relation, centric occlusion, long centric, wide centric),Basic positions by which mandibular activity begins (vertical size, occlusial vertical size, resting vertical size),Mandibular activity types (activity platforms, classification, rotation axis),Mandibular activity types (mundibula's marginal activities and activities within margins),Clinical importance of mandibular activities-I,Clinical importance of mandibular activities-II,Determinants of occlusial morphology on horisontal plane,Determinants of occlusial morphology on sagittal plane,Determinants of occlusial morphology on frontal plane,Occlusion theories and optimum occlusion creatures,Pre-conditions for occlusion types.,Functional way technics..

Course Learning Outcomes	**Teaching Methods**	**Assessment Methods**
1.Explain the human masticatory system.	10, 14, 9	A
1.1.Defines the temporomandibular joint.	16, 9	A
1.2.Explains the parts, structure and duties of temporomandibular joint.	16, 9	A
1.3.Summarizes mandibular activity, movement axis and planes.	14, 21, 9	A
2.Interprets the effect of human masticatory system on the teeth's occlusal morphology.	16, 9	A
2.1.Interprets the effects of bennet angle, condyle path slope on occlusion.	10, 9	A
2.2.Explains the occlusion types and their differences.	16, 9	A
3.Summarizes the importance of functional way technics on restorative transactions and it's application field.	16, 17, 9	A

Teaching Methods	10: Discussion Method, 14: Self Study Method, 16: Question - Answer Technique, 17: Experimental Technique, 21: Simulation Technique, 9: Lecture Method
Assessment Methods	A: Traditional Written Exam

Lecture Schedule

Sequence	**Topics**	**Preliminary Preparation**
1	Temporomandibular joint anatomy	
2	Biological rules that organizes the functions of muscles running mandibula	
3	Basic positions by which mandibular activity begins (centric relation, centric occlusion, long centric, wide centric)	
4	Basic positions by which mandibular activity begins (vertical size, occlusial vertical size, resting vertical size)	
5	Mandibular activity types (activity platforms, classification, rotation axis)	
6	Mandibular activity types (mundibula's marginal activities and activities within margins)	
7	Clinical importance of mandibular activities-I	
8	Clinical importance of mandibular activities-II	
9	Determinants of occlusial morphology on horisontal plane	
10	Determinants of occlusial morphology on sagittal plane	
11	Determinants of occlusial morphology on frontal plane	
12	Occlusion theories and optimum occlusion creatures	
13	Pre-conditions for occlusion types.	
14	Functional way technics.	

Evaluation Methods	**Weight(%)**
Midterm Exam	40
General Exam	60

Resources
Instructor's lecture notesCharles Mc Neill. Science and Practice of Occlusion Jeffery P Okeson. Management of Temporomandibular Disorders