

Dentistry (English)			
Bachelor	TR-NQF-HE: Level 6	QF-EHEA: First Cycle	EQF-LLL: Level 6

Course Introduction and Application Information

Course Code:	DENT101		
Course Name:	Dental Anatomy and Physiology		
Semester:	Fall		
Course Credits:	<div>ECTS</div> <div>2</div>		
Language of instruction:	English		
Course Condition:			
Does the Course Require Work Experience?:	No		
Type of course:	Compulsory Courses		
Course Level:	<div>Bachelor</div> <div>TR-NQF-HE:6. Master`s Degree</div> <div>QF-EHEA:First Cycle</div> <div>EQF-LLL:6. Master`s Degree</div>		
Mode of Delivery:	Face to face		
Course Coordinator:	Dr. Öğr. Üy. ŞİRİN KIYICI		
Course Lecturer(s):	Prof. Önjen TAK, Assist. Prof. Şirin Kıyıcı		
Course Assistants:			

Course Objective and Content

Course Objectives:	1. Learning the terms used in dentistry 2. Learning the anatomical and morphological features of permanent teeth 3. Learning the physiological relationship between jaws and teeth
Course Content:	1. Learning the dental terminology 2. Definition of the anatomical, morphological and physiological features of permanent

Learning Outcomes

The students who have succeeded in this course;

- 1) Comprehends dental terminology
- 2) Comprehends the anatomical, morphological and physiological features of permanent teeth
- 3) Distinguishes permanent teeth
- 4) Distinguishes the fundamentals of the dental tissues

Course Flow Plan

Week	Subject	Related Preparation
1)	Introduction to Dental Morphology and Terminology: Oral Cavity, Dental Anatomy and Tissues	Reading of the related chapters of the reference books
2)	Introduction to Dental Morphology and Terminology: Morphological Terms and Tooth Notation Systems	Reading of the related chapters of the reference books
3)	Morphological and Anatomical Features of Permanent Maxillary Central Incisors	Reading of the related chapters of the reference books
4)	Morphological and Anatomical Features of Permanent Maxillary Lateral Incisors	Reading of the related chapters of the reference books
5)	Morphological and Anatomical Features of Permanent Maxillary and Mandibular Canines	Reading of the related chapters of the reference books
6)	Morphological and Anatomical Features of Permanent Mandibular Central and Lateral Incisors	Reading of the related chapters of the reference books
7)	Morphological and Anatomical Features of Permanent Maxillary 1st and 2nd Premolars	Reading of the related chapters of the reference books
8)	Mid-term Exam	Reading of the related chapters of the reference books and the lecture notes
9)	Morphological and Anatomical Features of Permanent Mandibular 1st Premolars	Reading of the related chapters of the reference books
10)	Morphological and Anatomical Features of Permanent Mandibular 2nd Premolars	Reading of the related chapters of the reference books
11)	Morphological and Anatomical Features of Permanent Maxillary 1st and 2nd Molars	Reading of the related chapters of the reference books
12)	Morphological and Anatomical Features of Permanent	Reading of the related chapters of the

	Mandibular 1st and 2nd Molars	reference books
13)	Morphological and Anatomical Features of Permanent Maxillary and Mandibular 3rd Molars	Reading of the related chapters of the reference books
14)	The Physiological Relationship of the Dental Arch Stability	Reading of the related chapters of the reference books

Sources

Course Notes / Textbooks:	1. Scheid RC and Gabriela W. Woelfel's dental anatomy, Ninth Edition. Wolters Kluwer, 2017. 2. Nelson SJ. Wheeler's Dental Anatomy, Physiology and Occlusion, Tenth Edition. Elsevier Saunders, 2015.
References:	1. Scheid RC and Gabriela W. Woelfel's dental anatomy, Ninth Edition. Wolters Kluwer, 2017. 2. Nelson SJ. Wheeler's Dental Anatomy, Physiology and Occlusion, Tenth Edition. Elsevier Saunders, 2015.

Course - Program Learning Outcome Relationship

Course Learning Outcomes	1	2	3	4
Program Outcomes				
1) Has basic and up-to-date knowledge in the field of dentistry, follows scientific publications, and applies evidence-based data to his/her professional practice.	3	3	3	3
2) Knows well and effectively uses devices, tools, and materials specific to diagnosis and treatment in the field of dentistry.				
3) Evaluates the knowledge in the field of dentistry critically, integrates it with the knowledge of disciplines in the field of health, uses it by analyzing and synthesizing it.				
4) Produces projects related to the field of dentistry, can work with other health disciplines, takes part as a member of the research team and evaluates and reports the results obtained at a scientific level.				
5) Uses information that will contribute to the dentistry profession during practice, takes responsibility, and produces solutions in unforeseen situations.	2	2	2	2
6) Shares, compares, and exchanges dental knowledge with professional colleagues in social and scientific environments in written, verbal, and visual forms.				
7) Within the framework of social, scientific, and ethical values including patient privacy, communicates with patients and their relatives, knows all the characteristics of the patient, and recommends the most appropriate treatment with a patient-centered				

approach. Course Learning Outcomes	1	2	3	4
8) Follows technological developments, participates in national and international studies, and shares and presents own observations, experiences, and research to further advance dental practices.				
9) By adopting the principle of lifelong learning throughout the dentistry profession, follows current evidence-based dental knowledge and uses it during his professional practice.				
10) During dental practice, in cases such as abuse and addiction, performs the treatment by exhibiting the behaviors required by social ethics and legal rules, and collects and records the relevant data.				
11) Uses basic and current knowledge in the field of dentistry during professional practice for the benefit of society within the framework of national values and country realities.				
12) In natural disasters and emergency cases, takes the protective measures required by the dentistry profession; performs professional practices that benefit patients and society				
13) Generates ideas regarding health policy in dentistry, prioritizes individual and public health, and carries out preventive and therapeutic medical practices within the framework of scientific, ethical, and quality processes.				
14) Differentiates the signs and symptoms commonly encountered in the dentistry profession, makes a treatment plan and refers when necessary, and manages diseases and clinical situations regarding their urgency and patient priority.	2	2	2	2
15) Can assume the leadership responsibility of the team he/she works for, manage it following scientific criteria, and support the professional development of the team.				

Course - Learning Outcome Relationship

No Effect	1 Lowest	2 Average	3 Highest

	Program Outcomes	Level of Contribution
1)	Has basic and up-to-date knowledge in the field of dentistry, follows scientific publications, and applies evidence-based data to his/her professional practice.	3
2)	Knows well and effectively uses devices, tools, and materials specific to diagnosis and treatment in the field of dentistry.	
3)	Evaluates the knowledge in the field of dentistry critically, integrates it with the knowledge	

	of disciplines in the field of health, uses it by analyzing and synthesizing it.	
4)	Produces projects related to the field of dentistry, can work with other health disciplines, takes part as a member of the research team and evaluates and reports the results obtained at a scientific level.	
5)	Uses information that will contribute to the dentistry profession during practice, takes responsibility, and produces solutions in unforeseen situations.	2
6)	Shares, compares, and exchanges dental knowledge with professional colleagues in social and scientific environments in written, verbal, and visual forms.	
7)	Within the framework of social, scientific, and ethical values including patient privacy, communicates with patients and their relatives, knows all the characteristics of the patient, and recommends the most appropriate treatment with a patient-centered approach.	
8)	Follows technological developments, participates in national and international studies, and shares and presents own observations, experiences, and research to further advance dental practices.	
9)	By adopting the principle of lifelong learning throughout the dentistry profession, follows current evidence-based dental knowledge and uses it during his professional practice.	
10)	During dental practice, in cases such as abuse and addiction, performs the treatment by exhibiting the behaviors required by social ethics and legal rules, and collects and records the relevant data.	
11)	Uses basic and current knowledge in the field of dentistry during professional practice for the benefit of society within the framework of national values and country realities.	
12)	In natural disasters and emergency cases, takes the protective measures required by the dentistry profession; performs professional practices that benefit patients and society	
13)	Generates ideas regarding health policy in dentistry, prioritizes individual and public health, and carries out preventive and therapeutic medical practices within the framework of scientific, ethical, and quality processes.	
14)	Differentiates the signs and symptoms commonly encountered in the dentistry profession, makes a treatment plan and refers when necessary, and manages diseases and clinical situations regarding their urgency and patient priority.	2
15)	Can assume the leadership responsibility of the team he/she works for, manage it following scientific criteria, and support the professional development of the team.	

Assessment & Grading

Semester Requirements	Number of Activities	Level of Contribution

Homework Assignments	1	% 10
Midterms	1	% 30
Final	1	% 60
total		% 100
PERCENTAGE OF SEMESTER WORK		% 40
PERCENTAGE OF FINAL WORK		% 60
total		% 100

Workload and ECTS Credit Calculation

Activities	Number of Activities	Preparation for the Activity	Spent for the Activity Itself	Completing the Activity Requirements	Workload
Course Hours	28	1			28
Homework Assignments	1	1			1
Midterms	1	10			10
Final	1	20			20
Total Workload					59