

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

## Course Introduction and Application Information

Course Code:	DENT311		
Course Name:	Basic Periodontology		
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> <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> </div>		
Mode of Delivery:	Face to face		
Course Coordinator:	Dr. Öğr. Üy. NAZ KURT		
Course Lecturer(s):	Prof Dr Tamer ATAOGU		
Course Assistants:			

## Course Objective and Content

Course Objectives:	To teach periodontal tissues and etiology, epidemiology, and pathogenesis of periodontal diseases.
Course Content:	Gingiva, Alveolar bone, Cementum, Periodontal ligament morphology and histology, Embryology of periodontal tissues, Saliva, Microbial dental plaque, calculus, Pathogenesis of periodontal diseases, Etiology and epidemiology of periodontal diseases, Periodontal health and gingival

## Learning Outcomes

The students who have succeeded in this course;

- 1) Knows the morphology, histology and embryology of periodontal tissues
- 2) Has knowledge of microbial dental biofilm and calculus, and their role in periodontal disease pathogenesis
- 3) Knows the etiology, pathogenesis and epidemiology of periodontal diseases
- 4) Knows periodontal tissue destruction mechanisms.
- 5) Knows what healthy gingival tissue and periodontal tissues are and can describe these conditions.

## Course Flow Plan

Week	Subject	Related Preparation
1)	Information about the field of periodontology	-
2)	Gingival morphology, histology	-
3)	Alveolar bone morphology and histology	-
4)	Cementum and Periodontal ligament - morphology and histology	-
5)	Embryology of periodontal tissues	-
6)	Saliva - Microbial dental plaque (biofilm)-structure	-
7)	Microbial dental plaque (biofilm)-microbiology	-
8)	Midterm exam	-
9)	Specific microorganisms associated with periodontal disease	-
10)	Formation, content and Importance of calculus in periodontal diseases	-
11)	Pathogenesis of periodontal diseases	-
12)	Biochemical mechanisms in periodontal tissue destruction	-
13)	Etiology and Epidemiology of periodontal diseases	-
14)	Periodontal health and gingival health	-

## Sources

Course Notes / Textbooks:	<p>Carranzas clinical periodontology, Newman MG, Takei HH, Carranza FA. 11th ed. 2012, Elsevier Saunders Co, Philadelphia, USA.</p> <p>Clinical Periodontology and Implant Dentistry, 2 Volume Set, 6th Edition</p> <p>Niklaus P. Lang (Editor), Jan Lindhe (Editor)</p>
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### Course - Program Learning Outcome Relationship

Course Learning Outcomes	1	2	3	4	5
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	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.	3	3	3	3	3
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.	3	3	3	3	3
6) Shares, compares, and exchanges dental knowledge with professional colleagues in social and scientific environments in written, verbal, and visual forms.	3	3	3	3	3
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.	2	2	2	2	2
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.					
<b>Course Learning Outcomes</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
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.	3	3	3	3	3
12) In natural disasters and emergency cases, takes the protective measures required by the dentistry profession; performs professional practices that benefit patients and society	3	3	3	3	3
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.	3	3	3	2	3
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.	1	3	3	1	3
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.	3
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.	3
6)	Shares, compares, and exchanges dental knowledge with professional colleagues in	3

	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.	2
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.	2
12)	In natural disasters and emergency cases, takes the protective measures required by the dentistry profession; performs professional practices that benefit patients and society	3
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.	3
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.	3
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
Midterms	1	% 40
Final	1	% 60
<b>total</b>		<b>% 100</b>
PERCENTAGE OF SEMESTER WORK		% 40
PERCENTAGE OF FINAL WORK		% 60

<b>total</b>	<b>% 100</b>
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**Workload and ECTS Credit Calculation**

Activities	Number of Activities	Workload
Course Hours	13	26
Study Hours Out of Class	13	13
Midterms	1	6
Final	2	7
<b>Total Workload</b>		<b>52</b>