

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

## Course Introduction and Application Information

Course Code:	DENT305		
Course Name:	Introduction to Pediatric Dentistry		
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. GÜLŞAH BALAN		
Course Lecturer(s):	Assis. Prof. Neslihan Özdemir		
Course Assistants:			

## Course Objective and Content

Course Objectives:	To explain the definition and purpose of pediatric dentistry, introducing the behavior management techniques used in pediatric patients, transferring the information about the anatomy, development, and occlusion characteristic of primary teeth, instructing information about the formation and prevention of caries in primary teeth are intended.
Course	Purpose, definition, and importance of pediatric dentistry, communication with a pediatric patient,

Content:	development of primary teeth and histological features, anomalies of primary and young permanent teeth, the eruption of primary and permanent teeth, development of primary and permanent dental occlusion, features of caries development in primary and permanent teeth, causes of dental caries, the relationship between nutrition and caries, periodontal diseases in pediatric patients, caries diagnosis methods, caries risk assessment in infants, children and adolescents, methods of controlling dental caries in pediatric patients - plaque control in individual prophylaxis.
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## Learning Outcomes

The students who have succeeded in this course;

- 1) Explains the purpose and definition of pediatric dentistry and the importance of primary teeth
- 2) Classifies the communication methods with infants, children, adolescents, and families.
- 3) Defines information about the anatomy, histology, developmental stages, and occlusion development of primary teeth.
- 4) Sorts the information about the causes of dental caries in children, its relationship with nutrition, caries diagnosis methods, and periodontal diseases.
- 5) Knows to apply the principles of protecting the oral and dental health of society, families, and individuals and preventing diseases.

## Course Flow Plan

Week	Subject	Related Preparation
1)	Purpose and definition of pediatric dentistry and importance of primary teeth	
2)	Behavior management techniques (Determining the type of patient and parent) Stages of physical-psychological development in children	
3)	The anatomy of primary teeth (crown-root) The development and histological features of primary teeth	
4)	The anomalies of primary and permanent teeth	
5)	The eruption of primary teeth Development of primary teeth occlusion (theories and anomalies of eruption)	
6)	Eruption of permanent teeth and physiological resorption of primary teeth	
7)	Features of development of caries in primary and permanent teeth	
8)	Midterm Exam	
9)	Causes of tooth decay	
10)	Relationship between nutrition and caries	

11)	Periodontal diseases in pediatric patients	
12)	Diagnostic methods of dental caries	
13)	Caries risk assessment in infants, children and adolescents	
14)	Methods of controlling dental caries in pediatric patients - Plaque control in individual prophylaxis	

## Sources

Course Notes / Textbooks:	McDonald R.E., and Avery D.R., Dentistry for the Child and Adolescent, Mosby, 2011 Casamassimo P, Fields H, McTigue D, and Nowak A, Pediatric Dentistry, 5th Edition, Saunders, 2012 Koch G, Poulsen S, Espelid I, Haubek D, Pediatric Dentistry: A Clinical Approach, 3rd Edition, Wiley, 2016
References:	McDonald R.E., and Avery D.R., Dentistry for the Child and Adolescent, Mosby, 2011 Casamassimo P, Fields H, McTigue D, and Nowak A, Pediatric Dentistry, 5th Edition, Saunders, 2012 Koch G, Poulsen S, Espelid I, Haubek D, Pediatric Dentistry: A Clinical Approach, 3rd Edition, Wiley, 2016

## 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.	2	2	2	2	2
2) Knows well and effectively uses devices, tools, and materials specific to diagnosis and treatment in the field of dentistry.	2	2	2	2	2
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.	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.					
<b>Course Learning Outcomes</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
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	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.					
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	3	3	3	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.	2
2)	Knows well and effectively uses devices, tools, and materials specific to diagnosis and treatment in the field of dentistry.	2
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.	3
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	2
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.	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.	
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### 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>

### 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	26	1	1		52
Midterms	1	4	1		5
Final	1	4	1		5
<b>Total Workload</b>					<b>62</b>