

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

## Course Introduction and Application Information

Course Code:	DENT322		
Course Name:	Pediatric Dentistry - Basic Treatment		
Semester:	Spring		
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. NESLİHAN ÖZDEMİR		
Course Lecturer(s):	Assis. Prof. Neslihan Özdemir		
Course Assistants:			

## Course Objective and Content

Course Objectives:	To teach intraoral and extraoral examination techniques in pediatric patients, teaching restorative treatment options in pediatric patients, conveying the principles of the cavity in primary teeth and restorative materials used in primary and permanent teeth, conveying the spread of dental infection and treatments in pediatric patients, providing adequate theoretical background about pain phenomenon and analgesic use in pediatric patients, identifying endodontic treatment needs in primary teeth, and teaching appropriate treatment planning for them are intended.
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Course Content:	Oral diagnosis, and radiology in the pediatric patient, fluoride applications, fissure sealants, cavity principles in primary teeth, restorative materials used in primary teeth, stainless steel crowns and crown applications in anterior teeth, spread and treatment of dental infection in pediatric patients, local anesthesia techniques in pediatric dentistry, indications for primary tooth extraction, endodontic diagnosis and pulp treatments in both primary and young permanent teeth.
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## Learning Outcomes

The students who have succeeded in this course;

- 1) Informs about restorative materials, and techniques used in dentistry, and is aware of the limitations and potential problems associated with their use.
- 2) Defines the materials used in primary tooth restorations.
- 3) Explains the spread of dental infection in pediatric patients.
- 4) Explains local anesthesia techniques in pediatric dentistry.
- 5) Lists the methods of endodontic diagnosis and treatment in primary and permanent teeth.

## Course Flow Plan

Week	Subject	Related Preparation
1)	Oral diagnosis and radiology in pediatric patients	
2)	Fluoride applications	
3)	Fissure sealants	
4)	Restorative cavity principles in primary teeth	
5)	Restorative materials used in primary teeth	
6)	Stainless Steel Crowns Applications	
7)	Crown applications of anterior teeth	
8)	Midterm Exam	
9)	Spread of dental infection in pediatric patients	
10)	Local anesthesia techniques in pediatric dentistry	
11)	Extraction indications of primary tooth	
12)	Endodontic diagnosis in primary teeth and pulp capping	
13)	Pulpotomy and root canal treatment in primary teeth	
14)	Endodontic treatment and apexification in young permanent teeth	

## 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
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.					
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.	1	2	3	4	5
Course Learning Outcomes					
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.	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)	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.	
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.	
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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.	
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>

### 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	6	1		7
<b>Total Workload</b>					<b>64</b>