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

Course Introduction and Application Information

Course Code:	DENT403
Course Name:	Advanced Pediatric Dentistry
Semester:	Fall
Course Credits:	ECTS: 2
Language of instruction:	English
Course Condition:	
Does the Course Require Work Experience?:	No
Type of course:	Compulsory Courses
Course Level:	Bachelor | TR-NQF-HE:6. Master`s Degree | QF-EHEA:First Cycle | EQF-LLL:6. Master`s Degree
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 convey information about the effects of early tooth loss and space maintainer applications in pediatric patients, teaching traumatic dental injuries and principles of treatment, discussing systemic diseases and oral findings in children, providing information about treatment planning, teaching advanced behavior management techniques in pediatric dentistry, conveying information about joint diseases and harmful oral habits in pediatric patients are intended.

Course Content:	Space maintainers (fixed/removable) and prosthetic rehabilitation in children, dental traumatic injuries, antimicrobial therapy and analgesic use in pediatric patients, sedation and general anesthesia applications in pediatric dentistry, systemic diseases of infants, children, and adolescents and its features of oral health, childhood diseases and genetic diseases, surgical approaches in pediatric dentistry, TMJ disorders and bruxism in pediatric patients, harmful oral habits in pediatric patients, dental erosion and abrasion in pediatric patients.

Learning Outcomes

The students who have succeeded in this course;
1) Lists antimicrobial and analgesic use in pediatric patients.
2) Explains sedation and general anesthesia applications in pediatric dentistry.
3) Defines the diagnosis and treatment principles of hard and soft tissue injuries in primary and young permanent teeth.
4) Lists information about systemic diseases, childhood diseases, and genetic diseases in infants, children, and adolescents.
5) Explains harmful oral habits, TMJ disorders, and bruxism findings and treatment approaches in pediatric patients.
6) Defines surgical approaches in pediatric dentistry.
7) Explains the features and treatment requirements for primary and mixed dentition and plans the dental treatment of a pediatric patient

Course Flow Plan

Week	Subject	Related Preparation
1)	1. Space maintainers (fixed/removable) 2.Prosthetic rehabilitation	
2)	Etiology and epidemiology of dental traumatic injuries	
3)	Dental hard tissue injuries and treatment principles in primary and young permanent teeth	
4)	Periodontal tissue injuries and treatment principles in primary and young permanent teeth	
5)	Antimicrobial therapy and analgesic use in pediatric patients	
6)	Sedation and general anesthesia applications in pediatric dentistry (vital signs in a pediatric patient)	
7)	Systemic diseases of infants, children, and adolescents and its features of oral health	
8)	Midterm Exam	

9)	Childhood diseases and genetic diseases	
10)	Surgical approaches in pediatric dentistry	
11)	TMJ disorders and bruxism in pediatric patients	
12)	Harmful oral habits in pediatric patients	
13)	Dental erosion and abrasion in pediatric patients	
14)	Presentation	

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**	**6**	**7**
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) 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.							

Course Learning Outcomes	1	2	3	4	5	6	7
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.							
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.							
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.	
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.	
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	2	% 40
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	26	0	1		26
Presentations / Seminar	1	3	1		4
Midterms	1	2	1		3
Final	1	4	1		5
Total Workload					**38**