



Course: Didactics in pediatric dental medicine – approach to the child

Course Coordinator: Danko Bakarčić, DDM, PhD, professor

Department: Pediatric dentistry

Study program: University Integrated Undergraduate and Graduate Study of Dental Medicine (in English)

Study year: 3

Academic year: 2023./24.

SYLLABUS

Course description (a brief description of the course, general instructions, where and in what form the lessons are organized, necessary equipment, instructions for attendance and preparation for classes, student obligations, etc.):

If the patient could actively participate in the process of treatment he/she should be well instructed about their role in the successful therapy. Consequently for the therapist it is important to know particulars of subject teaching and learning styles and adapt their approaches and teaching methods.

The objective of this course is that students become able to describe the modern methods and means for getting familiar with the condition. Students will be able to adequately inform the patient about his/her condition, the procedures required for the therapy and the therapist's expectations from the patient. This is especially important in children as it combats the fear of the dentist and achieves better co-operation of the child during the therapeutic procedures

Expected learning outcomes

- define the types of patients to be treated
- distinguish between and compare different types of patients regarding age, gender, mental and physical development.
- describe and compare different methods of approach to the patient and ways to explain the patient about: their condition, the procedures required for the therapy and the therapist's expectations from the patient
- describe and compare the various tools that can be used for access to the patient and make the patient familiar with: their condition, the procedures required for the therapy and the therapist's expectations from the patient
- make the treatment plan considering the characteristics of the patient,

Course content

- basics of mental and physical growth and child development
- types of children and parents



didactic materials and their use according to type of patient:

- picture books and other printed media
- panels
- posters
- models
- toys & games
- CD - DVD
- WEB sites - games

Assigned reading:

Predrag Zarevski, Ilija Škrinjarić, Andrea Vranić. Psihologija za stomatologe, Slap, Jastrebarsko, 2005.

Koch G., Poulsen S. Pedodonticija - klinički pristup. Slap, Jastrebarsko, 2005.

Optional/additional reading:

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COURSE TEACHING PLAN:

The list of lectures (with topics and descriptions):

P1 basics of psychophysical growth and development of a child

Learning outcomes:

- become familiar with the psychophysical growth and development of the child

P2. Types of children and parents

Learning outcomes;

- differentiate types of child behavior in the office
- distinguish types of parents
- describe the parents' influence on the child's behavior in the office

P3. Didactic tools and their use

Learning outcomes;

- describe and distinguish different didactic means
- describe the way of their use

The list of seminars with descriptions:

S1 picture books - presentation of different ones and their use

S2 other printed media – presentation of different types and their use

S3 panels – display of different ones and their use

S4 posters – presentation of different ones and their use



S5 models – presentation of the different ones and their use
S6 toys – presentation of different ones and their use
S7 games – presentation of different ones and their use
S8 CD - DVD – display of different types and their use
S9 WEB pages – display of different ones and their use
S10 Video - games - presentation of different ones and their use

The list of practicals with descriptions:

Exercises are performed in the office of the Department of Pediatric Dentistry at the Clinic for Dental Medicine of the Rijeka Clinical Hospital Center in Rijeka.
Before accessing the exercises, students are required to acquire theoretical knowledge that they will perform practically.
Students will practically perform exercises on each other and on patients.

Students' obligations:

Students are obliged to regularly attend and actively participate in all forms of classes.
Maximum absences of up to 30% of classes with written justification and compensation

Assessment (exams, description of written / oral / practical exam, the scoring criteria):

Student grading is conducted according to the current University of Rijeka Studies and studying regulation. The students' work will be evaluated and evaluated during the course and in the final exam. Out of a total of 100 points, a student can get 70 points during classes, and 30 points in the final exam.

Students are graded using the ECTS (A-F) and numerical system (1-5). Grading in the ECTS system is carried out by absolute distribution.

Final grade:

- the points achieved in the exercises are added to the points from the exam

- final grade:

0- 49.9 = F

50-59.9 = D - 2

60-74.9 = C - 3

75-89.9 = B - 4

90-100 = A - 5

Other important information regarding to the course:

Any use of another's text or other form of author's work, as well as the use of ChatGPT or any of another tool whose functionality is based on artificial intelligence technology, without clear and unambiguous citation of sources, is considered a violation of someone else's copyright and the principle of academic integrity and represents serious violation of student obligations, which entails disciplinary responsibility and disciplinary measures accordingly to "Pravilnik o stegovnoj odgovornosti studenata (Rulebook on disciplinary responsibility of students)".

Consultation time: Thursdays at 8:00 a.m. with mandatory prior notice at least one day before.



COURSE SCHEDULE (for the academic year 2023/2024)

Date	Lectures (time and place)	Seminars (time and place)	Practicals (time and place)	Instructor
????????	P1, P2, (07:00-09:15)	S1, S2 S3, (09:15-12:00)		Prof.dr.sc.DankoBakarčić, dr.med.demt.
????????		S4, S5 (12:00-13:30)	V1, V2, V3 (13:30-15:45)	Prof.dr.sc.DankoBakarčić, dr.med.demt.
????????		S6, S7, S8, S9, S10, (07:00- 12:00)		Prof.dr.sc.DankoBakarčić, dr.med.demt.

Popis predavanja, seminara i vježbi:

	LECTURES (Topics)	Teaching hours	Location/Lecture room
P1	Osnove psihofizičkog rasta i razvoja djeteta	1	predavaonica Kreš. 40
P2	Didaktička sredstva i njihova upotreba	1	predavaonica Kreš. 40
	Ukupan broj sati predavanja	2	

	SEMINARS (Topics)	Teaching hours	Location/Lecture room
S1	slikovnice – prikaz različitih i njihova upotreba	1	predavaonica Kreš. 42
S2	ostali tiskani mediji– prikaz različitih i njihova upotreba	1	predavaonica Kreš. 42
S3	paneli– prikaz različitih i njihova upotreba	1	predavaonica Kreš. 42
S4	plakati– prikaz različitih i njihova upotreba	1	predavaonica Kreš. 42
S5	modeli– prikaz različitih i njihova upotreba	1	predavaonica Kreš. 42
S6	igračke– prikaz različitih i njihova upotreba	1	predavaonica Kreš. 42
S7	igre– prikaz različitih i njihova upotreba	1	predavaonica Kreš. 42
S8	CD - DVD– prikaz različitih i njihova upotreba	1	predavaonica Kreš. 42



S9	WEB stranice– prikaz različitih i njihova upotreba	1	predavaonica Kreš. 42
S10	Video - igrice– prikaz različitih i njihova upotreba	1	predavaonica Kreš. 42
Ukupan broj sati seminara		10	

	PRACTICALS (Topics)	Teaching hours	Location/Lecture room
V1	rad s djecom	1	ordinacija 3 - Kreš. 40
V2	rad s djecom	1	ordinacija 3 - Kreš. 40
V3	feedback – analiza dječjih crteža	1	ordinacija 3 - Kreš. 40
Ukupan broj sati vježbi		3	

	FINAL EXAM DATES
1.	????????
2.	????????
3.	

List of lectures, seminars and practicals:

	LECTURES (tema predavanja)	Broj sati nastave	Mjesto održavanja
P1	Development and structure of dental plaque and tartar	2	lecture room Kreš. 40
P2	Demineralisation - remineralisation	1	lecture room Kreš. 40
P3	The role of saliva in the prevention of oral cavity diseases	1	lecture room Kreš. 40
P4	The role of nutrition in the prevention and occurrence of caries	1	lecture room Kreš. 40
P5	Carbohydrates and sweeteners	1	lecture room Kreš. 40
P6	Assessment of the presence of caries and the caries risk assesment	1	lecture room Kreš. 40
P7	Origin and development of periodontal disease	1	lecture room Kreš. 40
P8	Fluoridation – caries prevention with fluoride	2	lecture room Kreš. 40
P9	Other means for tooth remineralization	2	lecture room Kreš. 40
P10	Fissures sealing	1	lecture room Kreš. 40
P11	Initial caries lesion	1	lecture room Kreš. 40
P12	Minimally invasive techniques	2	lecture room Kreš. 40
P13	Dental prevention in society	2	lecture room Kreš. 40
P14	Prevention of caries and periodontal diseases in specific population groups.	2	lecture room Kreš. 40
Ukupan broj sati predavanja		20	



	SEMINARS (Topics)	Teaching hours	Location/Lecture room
	TOTAL TEACHING HOURS		

	PRACTICALS (Topics)	Teaching hours	Location/Lecture room
V1	OHI index assesment	1	Dent.off.No 3 - Kreš 40
V2	Fluoridation	1	Dent.off.No 3 - Kreš 40
V3	Creating an individual prevention plan for the patient	1	Dent.off.No 3 - Kreš 40
V4	Creating an individual prevention plan for the patient	1	Dent.off.No 3 - Kreš 40
V5	Creating an individual prevention plan for the patient	1	Dent.off.No 3 - Kreš 40
V6	Creating an individual prevention plan for the patient	1	Dent.off.No 3 - Kreš 40
V7	Creating an individual prevention plan for the patient	2	Dent.off.No 3 - Kreš 40
V8	Creating an individual prevention plan for the patient	2	Dent.off.No 3 - Kreš 40
	TOTAL TEACHING HOURS	10	

	FINAL EXAM DATES
1.	2.2.2024.
2.	16.2.2024.
3.	14.6.2024
4.	13.9.2024.

	Lectures	Seminars	Practicals	Total
Total number	20		10	30
On-line	12		0	12
Percentage	40		0	40