

**Program of study** : Dentistry

**Course** : Operative Dentistry 1

**Abbreviation** : ST1/ZAB35

**Schedule** : 15 hours of lectures  
45 hours of practical trainings

**Course Distribution** : 4<sup>th</sup> year, 8<sup>th</sup> semester

**Number of Credits** : 6

**Forma výuky** : Lectures, practical trainings

**Lectures:**

**Guarantor:** Doc. MUDr. Květoslava Nováková, CSc.  
**Main lecturer:** Stomatolog Yuliya Morozova, Ph.D.

**Lecturers:** Stomatolog Yuliya Morozova, Ph.D.  
MDDr. Barbora Novotná  
Ing. Bc. Božena Piterková, DiS.  
MDDr. Lucia Somolová

**Study:** Wednesday 13.00–14.30 seminar room 2 UZQ 101080

	<b>Date</b>	<b>Topic</b>	<b>Hours</b>	<b>Lecturer</b>
1	<b>12.4.2023</b>	Reversible diseases of dental pulp. Issue of pulp capping, complications. Pathology, clinical manifestation and treatment of dental pulp diseases. Dental pulp necrosis.	2,5	<b>Nováková/ Novotná</b>
2	<b>19.4.2023</b>	Pathology, clinical manifestation and treatment of apical periodontitis. Treatment complications.	2,5	<b>Nováková/ Somolová</b>
3	<b>26.4.2023</b>	Non-carious lesions of hard dental tissues: abfraction, attrition, abrasion, erosion. Etiology, prevention, treatment possibilities.	2	<b>Nováková/ Novotná</b>
4	<b>3.5.2023</b>	Current trends in tooth decay prevention. Mechanical management of dental plaque. Means for hard dental tissues remineralization.	2	<b>Nováková/ Piterková</b>

5	10.5.2023	Current trends in prevention of periodontal tissues diseases. Chemical management of dental plaque.	2	Nováková/ Piterková
6	17.5.2023	Electric tools in prevention of tooth decay and periodontal tissues diseases.	2	Nováková/ Piterková
7	24.5.2023	Metastatic opportunistic infection in operative dentistry, diagnosis, treatment possibilities. Oral microorganisms and their distance effect.	2	Nováková/ Morozova

### Practical trainings:

**Main teacher:** Stomatolog Yuliya Morozova, Ph.D.  
**Study:** Continuous  
Wednesday 7.30 –11.45

	Educational week	Topic	Hours
1	12.4.2023	Caries profunda pulpa proxima, subjective and objective symptoms, diagnosis, treatment possibilities, complications.	6
2	19.4.2023	Caries profunda ad pulpam penetrans, subjective and objective symptoms, diagnosis, treatment possibilities, complications.	6
3	26.4.2023	Pulp hyperaemia, diagnosis, treatment possibilities.	5,5
4	3.5.2023	Pulpitis, causes and manifestations, examination algorithm, diagnosis, treatment methods.	5,5
5	10.5.2023	Necrosis and gangraena of dental pulp, diagnosis, treatment possibilities and prognosis, complications.	5,5
6	17.5.2023	Acute apical periodontitis, etiology, clinical manifestations, examination, diagnosis, treatment principles, complications.	5,5
7	24.5.2023	Chronic apical periodontitis and cystogranuloma, clinical manifestations, examination, diagnosis, treatment possibilities, prognosis.	5,5
8	31.5.2023	Revision, knowledge inspection, practical examination. Credit.	5,5

**Completed by:** Credit, final exam

### Conditions for participation on practical trainings:

- 1) The student is required to come at least 10 minutes before the beginning of the practical exercise in order to prepare for practical exercises.
- 2) The student is required to attend practical exercises in clean, white working clothes and shoes. If she/he does not do so, she/he will be

excluded from practicing with the necessity of substitution.

3) The use of mobile phone and other similar devices is prohibited in practical exercises. If a student breaks the rule, she/he will be excluded from practicing with the necessity of substitution.

4) If a student violates educational or ethical rules, he/she will be excluded from the practical exercise with the necessity of substitutions.

5) The student can miss only 1/3 of the compulsory education - with the necessity of apology to the teacher and substitution of the missed practical/seminar.

- 10% of the allowed absence without apology and substitution applies only to subjects where the practical training contains 10 or more practical exercises / seminars. However, it is recommended to apologize to the teacher in person / by email.

6) If the student does not have sufficient knowledge in the practical exercise, he/she will be excluded from the practical exercise with the necessity of substitution.

### **Requirements (for credit):**

100% take part in practical trainings  
Continuous knowledge inspection (oral exams, tests)  
Check up of practical limits  
Regular exam of manual skills (is required to obtain the credit)

Examination of manual skills at the end of the semester

According to the vice-dean direction LF – B-18/14 to the exam rules UP in Olomouc student can miss 1/3 of compulsory classes on condition of proper apology

### **Recommended literature:**

Heymann, H. O., Swift, E. J. Jr., Ritter, A.V.:  
Sturdevant's Art and Science of Operative Dentistry,  
6th Edition

Kenneth Hargreaves, Louis Berman. Cohen's  
Pathways of the Pulp Expert Consult. 11th Edition.  
Mosby, 2015

Mahmoud Torabinejad, Ashraf Fouad, Richard Walton.  
Endodontics. Principles and Practice. 5th Edition.  
Saunders, 2014