

Program of Study : Dentistry

Course : **Pre-Clinical Dentistry 1**

Abbreviation : ST1/ZAB40

Schedule : 30 hours of lectures
75 hours of practical trainings

Course Distribution : 1th year, 2th semester

Number of Credits : 12

Course Form : Lectures, practical trainings

Lectures :

Guarantor of teaching: Doc. MUDr. Miloš Špidlen, Ph.D.

Head of teaching: MDDr. Iva Voborná, Ph.D.
Stomatolog Julia Morozova, Ph.D.

Study : Continuous, Institute of Dentistry and Oral Sciences Palackého
12, 2nd floor, seminar room 3 (UZQ203100)
Wednesday 14:00 – 15:30

	Date	Subject	Hours	Teachers:
1	15.2.2023	Adhesive preparation I. Introduction, principles of preparation, instruments.	2	Špidlen/Morozova
2	22.2.2023	Adhesive preparation II. Composites resins – properties, indications, contraindications. Adhesive systems.	2	Špidlen/Morozova
3	1.3.2023	Adhesive preparation III. Composite filling procedure.	2	Špidlen/Morozova
4	8.3.2023	Glassinomer cements. Compomers. Sandwich and laminated filling.	2	Špidlen/Morozova
5	15.3.2023	Main and auxiliary materials – basic overview of materials used in dentistry. Possibilities of indirect use of composite resin	2	Špidlen/Polanská
6	22.3.2023	Model materials. Model procedures in the laboratory.	2	Špidlen/Francová
7	29.3.2023	Wax up/Mock up. Indications, procedures, uses	2	Špidlen/Jirásek

8	5.4.2023	Polymers – classifications, processing in the dental laboratory – uses, indications – basic overview.	2	Špidlen/Voborná
9	12.4.2023	Dental alloys – classifications, processing in the dental laboratory – basic overview.		Špidlen/Polanská
10	19.4.2023	Dental arch defects classifications. Indirect restorations. Basic classifications of fixed and removable restorations. Tooth lost causes.	2	Špidlen/Zábojníková
11	26.4.2023	Teeth bleaching – internal/external.	2	Špidlen/Đurinová
12	3.5.2023	Magnification techniques in dentistry and their possibilities of use.	2	Špidlen/ Đurinová
13	10.5.2023	Ceramic – classifications, processing in the dental laboratory – uses, indications – basic overview.	2	Špidlen/Al Akkad
14	19.5.2023 7:30 – 10:30 2 nd floor, seminar room 1 (UZQ203160)	ATTENTION TO CHANGE IN THE SCHEDULE CAD/CAM technology and possible uses in Dentistry Zirconium oxide	2 2	Špidlen/Kovalský

Practical trainings :

Guarantor of teaching: Doc. MUDr. Miloš Špidlen, Ph.D.

Head of teaching: MDDr. Iva Voborná, Ph.D.
Stomatolog Julia Morozova, Ph.D.

Study: Continuous, 2nd floor, teaching laboratories – Institute of Dentistry and Oral Sciences Palackého 12,

	Date	Subject	Hours
	Classes take place every week. Teaching commences on February 13, 2022 (7th calendar week)	<p>Instrumentation is required for the implementation of teaching - modeling tools, instruments for preparation, artificial teeth for the phantom and articulator accessories. Students will be informed about ordering and sales at MOODLE / UPOL and during the training course.</p> <p>The student will acquire and deepen the knowledge about morphology and anatomy of teeth and dentition as a whole by modeling of composite materials and wax on models.</p> <p>Phantom instruction will mainly focus on adhesive preparation and fabrication of adhesively bonded fillers and associated instrumentation.</p> <p>The student can not complete practical exercises without the recommended instrumentation</p> <p>The student is required to attend the practical exercises at least 10 minutes before the beginning of the practical exercise in order to prepare for practical exercises</p> <p>Students are required to appear in practical workouts in clean, white work clothes and shoes</p>	15x5

Credit

Completed by: Part of the credit will be the written test and the testing of manual skills acquired in the practical teaching of the subject

Requirements: 100% attendance in practical exercises

According to the Dean's Directive [LF-B-18/14](#) to the Study and Examination Regulations of the Faculty of Education in Olomouc, the student can substitute a maximum of one third of compulsory education in the semester, provided he / she is properly apologized for missed lessons.

- 1) The student is required to come at least 10 minutes before the beginning of the practical exercise in order to prepare for practical 5 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, it will be excluded from the practical exercise with the necessity of substitution

Literature :

1. Nelson Stanley J.: Wheeler's dental anatomy, physiology and occlusion, eBook ISBN: 9780323263245, eBook ISBN: 9780323263283
2. Mitchel L., Mitchel A. D.: Oxford Handbook of Clinical Dentistry, 2009, ISBN: 978-0-19-955330-3
3. Council on Dental Care Programs: Code on dental procedures and nomenclature. J Am Dent Assoc 1991; 122(3): 91-97.
4. A. Banerjee, T. F. Watson: Pickard's Manual of Operative Dentistry
5. Kenneth Anusavice Chiayi Shen H. Ralph Rawls: Phillips' Science of Dental Materials, 12th Edition, Hardcover ISBN: 9781437724189, eBook ISBN: 9781455748136, eBook ISBN: 9780323242059
6. Nusha Garg: Textbook of Operative Dentistry 3rd Edition, ISBN-13: 978-9351526339, ISBN-10: 935152633X

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