

Program of Study : Dentistry

Course : **Prosthetic Technology**

Abbreviation : ST1/ZAB71

Schedule : 15 hours of lectures
60 hours laboratory practise

Course Distribution : 2th year, 4th semester

Number of Credits : 6

Course Form : Lectures, laboratory practise

Lectures :

Guarantor of teaching: Doc. MUDr. Miloš Špidlen, Ph.D.
Head of teaching: MDDr. Iva Voborná, Ph.D.

Study : Continuous, Institute of Dentistry and Oral Sciences Palackého 12
EVEN (sudý) WEEK, 2nd floor, seminar room 3,
Wednesday 13:00 – 14:30

Date	Subject	Hours	Teachers:
22.2.2023	Removable dentures introduction Patient's examination Dental arch defects classification Anatomical impressions	2,5	Špidlen/FRANCOVÁ
8.3.2023	Impression methods and materials in removable prosthodontics Custom tray	2,5	Špidlen/VOBORNÁ
22.3.2023	Removable partial denture (RPD) design – surveyor Common components of RPD	2	Špidlen/JIRÁSEK
5.4.2023	Laboratory procedures of RPD – step by step	2	Špidlen/FRANCOVÁ
19.4.2023	Dental polymers classifications and the laboratory processing Removable dentures reparation	2	Špidlen/VOBORNÁ
3.5.2023	Dental alloys classification and the lab processing	2	Špidlen/POLANSKÁ
17.5.2023	Auxillary prosthodontics materials Cast materials, dental waxes	2	Špidlen/POLANSKÁ

Practical trainings :

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

Head of teaching:

MDDr. Iva Voborná, Ph.D.

Study :

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

Topic	Hours
<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 practical course in prosthetic technology in the laboratory part contains a basic introduction to the biological and technical principles of removable dentures and will be implemented on models and articulators. This course prepares students for clinical practice. The course must meet the basic objectives:</p> <ol style="list-style-type: none">1. To acquaint students with the biological and technological basics of making partial removable substitutes.2. Students have to learn the basics of partial retrieval compensation planning, parallelogram analysis and substitution drawings. <p>The phantom part of teaching will be realized on models in phantom heads.</p> <p>During the practical exercises, the student has to prepare separately 1 partial removable denture - modelling in the wax class II of the Voldřich classification and 1 partial removable denture modelling in the wax of the 1st class the Voldřich classification. On the phantoms the student must separately make composite and glass ionomer fillings III., IV. and class V according to Black.</p> <p>- The products will then be submitted during the credit and are part of the termination of the course</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>	<p>15x4 Teaching commences on February 13, 2023 (7th calendar week)</p>

Credit

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

Exam

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 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

1. Nomenclature Committee of the Academy of Denture Prosthetics:
Glossary of Prosthodontic Terms, ed 5. St Louis, CV Mosby Co, 1987, p 15
2. A. Banerjee, T. F. Watson: Pickard's Manual of Operative Dentistry
3. L. Mitchell, D. A. Mitchel: Oxford Handbook of Clinical Dentistry
4. D.L.Sarandha: Textbook of complete denture prosthodontics
5. A. Zicha: Complete denture
6. Mitchel L., Mitchel A. D.: Oxford Handbook of Clinical Dentistry, 2009,
ISBN: 978-0-19-955330-3
7. Phoenix R.D., Cagba R.D., DeFeest Ch.F.: Removable Prosthodontics
8. Shillinburg H. T.: Fundamentals of fixed prosthodontics
9. MOODLE/upol

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.