

## Course description

<b>University :</b> <i>University of Prešov</i>	
<b>Faculty/university workplace :</b> <i>Faculty of Health Care</i>	
<b>Code :</b> 6KDH/KLDH4/24	<b>Course title :</b> <b>Practical Training in Dental Hygiene 4</b>
<b>Type, scope and method of educational activity:</b> Type of educational activity: <i>Practical seminar</i> Scope of educational activity: <i>16 hour per week, 208 per semester</i> Method of educational activity: <i>Attendance</i>	
<b>Number of Credits :</b> 6	
<b>Recommended semester :</b> <i>2nd year ST</i>	
<b>Study grade:</b> <i>Bachelor</i>	
<b>Prerequisites:</b> <i>Dental hygiene 3, Practical Training in Dental hygiene 3</i>	
<b>Conditions for passing the course:</b> <b>Form of assessment:</b> <b>Final evaluation:</b> <i>The course is completed with an interim assessment. During the semester the student carries out clinical practice in professional laboratories, at the Department of Dental Hygiene and selected departments of the University Hospital, contractual medical institutions, pre-school institutions and primary schools. During the examination period, the student conducts a knowledge test, an oral and a practical examination, all of which are recorded in the Student's Clinical Practicum Logbook.</i> <i>Pass criteria: must obtain at least 90.00% for an A grade, 89.99 - 80.00% for a B grade, 79.99 - 70.00% for a C grade, 69.99 - 60.00% for a D grade, 59.99 - 50.00% for an E grade. A student scoring 49.99% or less will be given a grade of FX.</i> <i>The final grade will be calculated as the average of the semester activity grade, the knowledge test, and the practical skills assessment.</i> <i>The student's total course load is 208 hours.</i>	
<b>Learning outcomes :</b> <i>Upon completion of the course, students will be able to:</i> <b>Knowledge:</b> <ul style="list-style-type: none"> <li>- Define and interpret basic concepts of periodontology and cariology;</li> <li>- Know healthy and pathologically altered gingiva, mucogingival region and changes in hard dental tissues;</li> <li>- be able to properly motivate, instruct and know the correct treatment procedures for patients;</li> <li>- describe the procedure for examination and differential diagnosis of diseases of the gingiva and mucogingival area, temporomandibular joint, periodontium, bruxism, parafunction;</li> <li>- theoretically describe the various options for fluoridation of teeth and determine the correct indications and contraindications for fluoridation of teeth.</li> </ul> <b>Skills:</b> <ul style="list-style-type: none"> <li>- Examine and make a differential diagnosis of dental, periodontal, mucosal and tongue diseases,</li> <li>- classify dental and periodontal diseases,</li> <li>- evaluate and record dental and periodontal diseases in dental and medical records,</li> <li>- classify dental and periodontal treatment into mechanical, chemical and invasive (surgical),</li> <li>- perform complete subgingival periodontal treatment with periodontal instruments,</li> <li>- perform a complete subgingival periodontal treatment with ultrasound,</li> <li>- perform supragingival airflow,</li> <li>- perform fluoridation of the teeth, recommend the form of fluoridation,</li> <li>- perform chemical treatment of the periodontal sac,</li> <li>- examine and establish dental hygiene differential diagnosis of diseases in the TMK, its functions,</li> <li>- investigate non-microbial diseases of teeth and periodontium, bruxism, parafunction,</li> <li>- assess risk factors affecting the prognosis of oral diseases,</li> </ul>	

- analyse the relationship between the presence of plaque and the progression of dental and periodontal disease,
- analyse the relationship between bleeding and the progression of periodontal disease,
- analyse the relationship between nutritional status, fluoridation and the progression of dental disease,
- analyse the relationship between white spot and the progression of dental disease,
- consult periodontal and mucosal changes with the dentist,
- draw up together a follow-up prevention and treatment plan.

#### **Competencies:**

Use knowledge and skills for professional and personal development especially in the form of:

- Demonstrate the ability to independently examine a patient, make a correct dental hygiene diagnosis, develop a prevention and treatment plan, motivate and instruct the patient in individual oral care;
- Demonstrate the ability to work independently and correctly with periodontal instruments, ultrasound, airflow and apply fluoridation to teeth.
- Demonstrate the ability to assume responsibility in providing dental hygiene care to patients with microbial, non-microbial and combined dental, periodontal and mucogingival lesions.

#### **Course content:**

The use of ultrasound, Airflow. Subgingival removal of plaque and tartar with hand periodontal instruments and ultrasound. Complete clinical and radiographic examination of all periodontal, mucosal and tongue conditions. Classification of dental and periodontal diseases. Documentation of dental and periodontal diseases in dental and medical records. Mechanical, chemical and invasive (surgical) treatment. Fluoridation of teeth, forms of fluoridation. Examination of non-microbial diseases of teeth and periodontium, bruxism, parafunction. Examination of risk factors affecting the prognosis of oral diseases. Determination of the relationship between the presence of plaque and the progression of dental and periodontal disease. Analysis of the relationship between bleeding and progression of periodontal disease, between nutritional status, fluoridation and progression of dental disease, between white spot and progression of dental disease. Establishing a prevention and treatment plan.

#### **Literature :**

1. Kovaľová, E., a kol. 2017. *Parodontológia II – Mechanická liečba parodontu – Orálna hygiena VII.* Prešov: vydavateľstvo Michal Vaško, 2017. 468 s. ISBN 978-80-8198-005-3.
2. Kovaľová, E. 2013. *Motivačný atlas.* Prešov: Vydavateľstvo P. Šidelský Akcent Print, 2013. 22s. ISBN 978-80-9694-190-2.
3. Kovaľová, E., Eliašová, A. a kol. 2010. *Orálna hygiena II.,III.* Prešov: Vydavateľstvo Pavol Šidelský, Akcent Print, 2010. 680 s. ISBN 978-80-8929-524-1.
4. Kovaľová, A., Klamárová, T., Müller, A. 2012. *Orálna hygiena IV.* Prešov: Prešovská univerzita v Prešove, 2012, s. 324. ISBN 978-80-555-0567-1.
5. Kovaľová, E., Novák, B. 2013. *Orálna hygiena V.* Prešov: Vydavateľstvo Pavol Šidelský, Akcent Print, 2013. 112 s. ISBN 978-80-8929-539-5.
6. Mazánek, J. a kol. 2015. *Stomatologie pro dentální hygienistky a zubní instrumentárky.* Praha: Grada Publishing, 2015, 288 s. ISBN 978-80-24-4-865-8.
7. Krišková, A. a kol. 2013. *Ošetrovateľské techniky.* Martin: KD Osveta, Ing. Martin Farkaš, 2013. 780 s. ISBN 978-80-8082-456-3.

**Language which is necessary to complete the course:** english

#### **Notes :**

The student is obliged to attend 80% of the specified lectures and 90% of the specified practicals.

The conditions for the semester thesis are published on the FZO PU website under the instructions for students in the section "Education and specialisations".

For students with specific needs, an individualized approach is provided based on the recommendation of the faculty coordinator for students with specific needs. Instructions on how to complete the assignment are posted on the faculty's website: <https://www.unipo.sk/public/media/26637/Pravidla-hodnotenia-zataze-studenta.pdf>

#### **Course evaluation:**

A	B	C	D	E	FX

#### **Lecturers :**

MUDr. Eva Kovaľová, PhD., guarantor, PhDr. Michal Ferko co-guarantor, lecturer, MUDr. Tatiana

<i>Klamárová, PhD., instructor, examiner</i>
<b>Date of last change:</b> <i>31.03.2024</i>
<b>Approved by :</b> <i>doc. MUDr. Eva Kovařová, PhD. - guarantor</i>