

Course Description

University: <i>University of Presov</i>	
Faculty/university workplace: <i>Faculty of Health Care</i>	
Code: <i>6KDH/DEHA4-ER/25</i>	Course title: <i>Dental Hygiene 4</i>
Type, scope and method of educational activity: Type of educational activity: <i>Lecture, Practical seminar</i> Scope of educational activity: <i>2,4 hour per week, 26,52 per semester</i> Method of educational activity: <i>Attendance</i>	
Number of credits: <i>3</i>	
Recommended semester: <i>2nd year ST</i>	
Study grade: <i>Bachelor</i>	
Prerequisites: <i>6KDH/DEHA3/22 - Dental Hygiene 3</i>	
Conditions for completing the course: The student is obliged to attend 90% of practical teaching and 80% of the set range of lectures. <i>Continuous assessment:</i> The course is completed by an ontinuous assessment (PH). During the semester, the student takes continuous knowledge tests. In practical exercises, the student performs treatment according to the Guided Biofilm Therapy (GBT) procedure, work with ultrasound devices designed for implants, supragingival and subgingival airpolysis in the treatment of periimplatiitis, practice of working with hand instruments in the subgingival area - deep cleaning and stroking of the tooth root. If a student is not successful in all parts of the interim assessment (65% in total), he or she cannot participate in the final assessment. <i>Final assessment:</i> The course is completed with an exam (s). Practical exam, which is conditioned by successfully completed written test: practical exam - 50% success, written test - 50.00% success. The student's overall success rate must be at least 50.00%. <i>Success criteria:</i> A - 100.00 - 90.00% B - 89.99 – 80.00% C - 79.99 – 70.00% D - 69.99 – 60.00% E - 59.99 – 50.00%. FX - 49.99% and below % Participation in classes: <i>78 hours of direct load</i> Written test: <i>5 hours of indirect load</i> Preparation for the mid-term assessment: <i>7 hours of indirect load</i>	
Educational outcomes: After completing the course, students are able to: <i>Knowledge:</i> <ul style="list-style-type: none">- define all types of periodontal examinations, distinguish healthy and pathologically altered tissues of the periodontium, mucous membranes and tongue,- explain the examination of differential diagnosis of dental implant diseases- classify diseases of hard dental tissues and periodontium, and dental implants- reassess and record diseases of hard dental tissues, periodontium and dental implants in dental hygiene and medical documentation,- divide the treatment of hard dental tissues, periodontal and dental implants into mechanical, chemical and invasive (surgical),- explain the assessment of risk factors affecting the prognosis of oral diseases according to individual types of patients (pregnant woman, child by age, patient with orthodontic appliances, patient with	

- implant, patient with dentine hypersensitivity, karyological patient)
- analyze the relationship between the presence of plaque and the progression of hard dental tissue and periodontal disease,
- analyze the relationship between the state of nutrition, remineralization and the progression of hard dental tissue disease,
- distinguish individual teeth whitening options and determine the correct indications and contraindications of teeth whitening
- be able to perform and evaluate saliva tests
- be able to evaluate fissures and pits before sealing teeth and then seal them

Skills:

- describe complete subgingival periodontal treatment with periodontal instruments
- Describe supragingival and subgingival air-polishing
- describe complete subgingival treatment of periodontium and implant with ultrasound,
- describe tooth remineralization, recommend a form of remineralization,
- describe the chemical treatment of the periodontal capsule,
- describe nonmicrobial pathological changes in hard dental tissues
- describe saliva tests
- describe
- consult with a dentist individual pathological changes

Competence:

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

- independently examine and treat the patient according to the latest procedures in dental hygiene
- independently determine for the patient a suitable mechanical aid and chemical preparation for home use on the basis of the patient's examination
- create a prevention and treatment plan specific to the type of patient
- perform home and professional teeth whitening
- perform basic saliva tests (unstimulated saliva, saliva viscosity, pH, stimulated saliva, saliva buffering capacity)

seal pits and grooves of premolars and molars

Brief syllabus of the course:

1. Subgingival Plaque and Tartar Removal with Manual Periodontal Instruments and Ultrasound
2. Complete clinical and X-ray examination of all conditions of the periodontium, mucous membranes and tongue. tag.
3. Documentation of dental and periodontal diseases in dental hygiene and medical documentation.
4. Mechanical, chemical and invasive (surgical) treatment.
5. Remineralization of teeth, forms of remineralization
6. Risk factors affecting the prognosis of oral diseases.
7. The relationship between the presence of plaque and the progression of dental and periodontal disease.
8. Analysis of the relationship between bleeding and progression of periodontal disease, between nutritional status, remineralization and progression of dental disease, between white spot and progression of dental disease.
9. Drawing up a prevention and treatment plan.
10. Teeth whitening – professional and home
11. Dental implants – examination and development of a prevention and treatment plan
12. Establishment of prevention and treatment plans for individual types of patient
13. Sealing fissures and pits of premolars and molars
14. Saliva tests

Recommended reading:

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. Araujo, E, Ballarin, A, Briso, ALF, Costa, CADS, Croll, TP, Donly, KJ, Galinari, MO, Ginjeira, A, Gomes, G, Hebling, J., Tooth whitening—an evidence-based perspective. New York (NY): Springer 2016. 280 s. ISBN 9783319817637

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.

Course evaluation:

A	B	C	D	E	FX

Lecturers:

PhDr. Bc. Ludmila Andraščíková, PhD, MBA, MPH.

Mgr. Bc. Silvia Dořacká, PhDr. Michal Ferko, PhDr. Bc. Gabriela Benková

Date of last change:

24.3.2026

Approved by: *doc. MUDr. Eva Koval'ová, PhD. - guarantor*