

Course description

University : <i>University of Prešov</i>	
Faculty/university workplace : <i>Faculty of Health Care</i>	
Code : 6KDH/PZLK1/24	Course title : Preventive Dentistry 1
Type, scope and method of educational activity: Type of educational activity: <i>Lecture</i> Scope of educational activity: <i>2 hours per week, 26 per semester</i> Method of educational activity: <i>Attendance</i>	
Number of Credits : <i>1</i>	
Recommended semester : <i>2nd year WT</i>	
Study grade: <i>Bachelor</i>	
Prerequisites:	
Conditions for passing the course: Form of assessment: Final evaluation: <i>The course is completed with an interim assessment. During the semester, students are required to prepare a presentation on an assigned topic in the field of preventive dentistry (20% of the course grade), pass a final written test (80% of the course grade) and fulfill the conditions of participation according to the Study Regulations of the FM PU.</i> <i>The success criteria (percentage of results in the course evaluation) for the classification levels are as follows:</i> <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 less % at least 50 %. A student scoring less than 50% will be graded with a grade of FX.</i> Student Load : <i>Class participation : 26 hours of student preparation - direct course load</i> <i>PP presentation - 5 hours of student preparation - indirect load</i> <i>Independent study and preparation for continuous assessment 29 hours - indirect workload</i>	
Learning outcomes : <i>Upon completion of the course, students will be able to:</i> Knowledge: <ul style="list-style-type: none"> - Define and interpret basic concepts related to prevention and prophylaxis, - understand and explain the etio-pathogenetic context of oral diseases, - characterize the causes of dental caries and non-microbial damage to hard dental tissues, - describe microbial and non-microbial diseases in the oral cavity - explain the link between the metabolism of micro-organisms and the development of microbial diseases in the oral cavity, - describe the epidemiology of dental caries Skills: <ul style="list-style-type: none"> - Apply and implement theoretical knowledge and knowledge in practice; - identify and analyse pathological conditions, - examine a cariological patient and make a diagnosis, - determine a non-invasive treatment plan for a patient with dental caries, - establish a treatment plan for a patient with non-microbial damage to the hard dental tissues, - apply the basic principles of minimally invasive dentistry - motivate and instruct the cariology patient - determine treatment and prevention recommendations regarding oral hygiene modification, nutrition, and the use of remineralisation and antimicrobial agents. Competencies: <ul style="list-style-type: none"> - Think critically and make independent and autonomous decisions; - work and cooperate in a team and build their identity as a dental hygienist, 	

- implement individual, patient-centred prevention and treatment of oral diseases,
- organise non-invasive care for the cariology patient,
- coordinate or guide processes related to the development and implementation of group prevention programmes

Course content:

Prevention in dentistry and its roles as defined by WHO. Primary, secondary and tertiary prevention. Dental microbial plaque in the aetiology of caries and periodontopathies. Anti-cavity prevention - use of fluorides, oral hygiene, dietary modification and systematic dental care. Sealing of fissures. Systemic and topical application of fluorides. Methodologies for tooth cleaning. Intensive hygiene programme. Recall - maintaining hygiene standards.

Literature :

1. Kovaľová, E., Eliašová, A. a kol. *Orálna hygiena II.,III.* Prešov: Vydavateľstvo Pavol Šidelský, Akcent Print, 2010 ISBN 978-80-89295-24-1
2. Kovaľová, E.- Klamárová, T.- Müller, A. *Orálna hygiena IV. Základy orálnej medicíny (Biológia-Imunológia- Parodont)* Prešov: Prešovská univerzita v Prešove 2012, 334 s. ISBN 978-80-555-0567-1.
3. Kovaľová, E., Novák, B. *Orálna hygiena V.* Prešov: Vydavateľstvo Pavol Šidelský, Akcent Print, 2012 ISBN 978-80-89295-39-5
4. Kovaľová, E. a kol. *Parodontológia III.* Prešov: Michal Vaško-Vydavateľstvo 2017 ISBN 978-80-8198-007-7
5. Čarnoká, T., Kovaľová, E. *Preventívna stomatológia.* Prešov: Prešovská univerzita v Prešove 2006 ISBN 80-8068-477-4.
6. Mount, G. J., Hume, W. R. *Preservation and Restoration of Tooth Structure Queensland, Australia: Knowledge Book and Software* 2004 ISBN 1920824-34-0.
7. Zhou Xuedong *Dental Caries.* Cham, Switzerland: Springer 2016 ISBN 978-3-662-51045-2
8. Eden, E. *Evidence-Based Caries Prevention* Cham, Switzerland: Springer 2016 ISBN 978-3-319-40032-7
9. Leal, S. C., Takeshita, E. M. *Pediatric Restorative Dentistry* Cham, Switzerland: Springer 2019 ISBN 978-3-319-93425-9

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, MUDr. Tatiana Klamárová, PhD., co-guarantor, lecturer, examiner

Date of last change:

31.03.2024

Approved by : doc. MUDr. Eva Kovaľová, PhD. – guarantor