

Course description

University : <i>University of Prešov</i>	
Faculty/university workplace : <i>Faculty of Health Care</i>	
Code : 6KDH/ZLINS/24	Course title : Instruments in Dentistry
Type, scope and method of educational activity: Type of educational activity: <i>Lecture</i> Scope of educational activity: <i>1 hour per week 13 per semester</i> Method of educational activity: <i>Attendance</i>	
Number of Credits : <i>1</i>	
Recommended semester : <i>1st year ST</i>	
Study grade: <i>Bachelor</i>	
Prerequisites:	
Conditions for passing the course: Form of assessment: Final evaluation: <i>The course is completed with a midterm evaluation. During the semester, the student will prepare, present and hand in a seminar paper with the topic Dental-medical instrumentation in the dental clinic. (20% of the course grade). As part of the assessment, the student will take a knowledge test, which will constitute 80% of the course assessment. The student must obtain at least 90.00% for a grade of A, 89.99-80.00% for a grade of B, 79.99-70.00% for a grade of C, 69.99-60.00% for a grade of D, and 59.99-50.00% for a grade of E. The student must obtain at least 90.00% for a grade of A. A student scoring 49.99% or less will be given a grade of FX. The final grade will be calculated as the average of the grade and the knowledge test and the seminar paper</i> Student Load : <i>Class participation: 13 hours of student preparation - direct course load</i> <i>Seminar paper - 5 hours of student preparation - indirect workload</i> <i>Independent study and preparation for continuous assessment 12 hours - indirect burden</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 in their own words the basic instrumentation used in dental practice, - describe the basic equipment of a dental and dental hygiene practice, - plan the equipment of a dental clinic with instrumentation for the work of a dental hygienist, - plan the equipment of a dental practice for the work of a dental hygienist, - describe the proper handling, cleaning, disinfection and sterilisation of instruments, - describe the correct hygienic packaging and storage of instruments, - distinguish between ergonomically appropriate and inappropriate instrumentation, - prepare a tray system, - recommend the correct use of different types of instruments in assisting, - recognize instrument defects and instrument damage and discard in a timely manner, possible consequences, Skills : <i>The student is able to</i> <ul style="list-style-type: none"> - apply the knowledge in daily practice - identify the most commonly used instruments and tools in the workplace Competencies : <ul style="list-style-type: none"> - Independently evaluate the need for specific instruments and tools in a dental hygiene practice - knows the instructions and procedures for the daily care of instruments and appliances 	
Course content: <i>Instruments and their parts, unit, chair, lighting, amalgam separator, suction, desilverizer, sterilizer, mixing device, ultrasonic tartar removal devices, airscaler, sandblaster, tray systems, straight and knee handpieces,</i>	

special handpieces, EVA system. Instruments, examination instruments, calibrated probes, tactile instruments, manual tartar removal instruments, manual instruments for making and adjusting fillings, rotary instruments, surgical instruments, cofferdam, impression spoons. Decontamination, cleaning, disinfection and sterilization of instruments, storage of instruments, identification, disinfection and sterilization of handpieces and handpieces, sharpening of scalers and curettes, care of rotary instruments. Polishing. Use of individual instruments on head models.

Literature :

1. Kovaľová, E.: *Parodontológia II*. Prešov: Michal Vaško, 2017
2. Šestáková M. a kol., *Propedeutika*, 2016, ISBN: 978-80-972254-9-0
3. Lepori L.R., *Zubné lekárstvo*, 2018, ISBN: 978-83-94 9243-1-7
4. Kovaľová E. a kol., *Parodontológia*, 2015, ISBN: 978-80-89295-64-7
5. Mazánek, J., Urban, F.: *Stomatologické repetitorium*. Praha: Grada Publishing, 2003, 456 s. ISBN 80-7169-824-5.
6. Hubáľková, H., Krňoulová, J.: *Materiály a technologie v protetickém zubním lékařství*. Praha: Galén, 2009, 301 s. ISBN 978-80-7262-581-9.
7. Mazánek, J. a kol.: *Stomatologie - minimum pro praxi*. TRITON, s.r.o. - Praha, 1999, 163 s. ISBN 80-7254-032-7.
8. Duráňnik, V., Holomáňová, A., Gabánjová, D.: *Detailná anatomia zubov. Návod na modelovanie zubov*. Bratislava: UK, 2002

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. Alexander Kovaľ, PhD., co-guarantor, lecturer, examiner

Date of last change:

31.03.2024

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