

## 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/RZLL2/24	<b>Course title :</b> Radiology in Dentistry 2
<b>Type, scope and method of educational activity:</b> 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>	
<b>Number of Credits :</b> 2	
<b>Recommended semester :</b> <i>2nd year WT</i>	
<b>Study grade:</b> <i>Bachelor</i>	
<b>Prerequisites:</b> <i>Radiology in Dentistry 1</i>	
<b>Conditions for passing the course:</b> <b>Form of assessment:</b> <b>Final evaluation:</b> <i>The course is completed with an examination. As part of the assessment, a knowledge test is conducted. The final examination is oral, it includes the interpretation of the pathological conditions depicted on the radiographs. The student must obtain at least 90.00% for a grade A, 89.99-80.00% for a grade B, 79.99-70.00% for a grade C, 69.99-60.00% for a grade D, and 59.99-50.00% for a grade E. A student scoring 49.99% or less will be graded with a grade of FX. The final grade will be calculated as the average of the assessment and the knowledge test and the oral response.</i> <b>Student Load :</b> <i>Class participation: 13 hours of student preparation - direct course load</i> <i>Independent study and exam preparation 17 hours - indirect workload</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>- Know the principles of radiographic imaging in dentistry.</li> <li>- Know the basic types of X-ray equipment used in dentistry,</li> <li>- know how to handle and operate X-ray equipment in dentistry</li> <li>- be familiar with the computer software used for taking radiographs</li> <li>- know the principles of disinfection of dental X-ray equipment and devices used in dentistry</li> <li>- take intraoral and extraoral dental radiographs</li> </ul> <b>Skills:</b> <i>The student is able to</i> <ul style="list-style-type: none"> <li>- take individual types of dental-medical images</li> <li>- evaluate radiographs for clinical practice</li> <li>- perform basic maintenance and disinfection of radiographic equipment used in dentistry</li> </ul> <b>Competencies:</b> <ul style="list-style-type: none"> <li>- be able to independently take and subsequently evaluate the condition of the dentition and pathological processes on radiographs</li> <li>- preparation and protection of the patient and staff against ionising radiation</li> </ul>	
<b>Course content:</b> <ul style="list-style-type: none"> <li>- construction of dental-medical extraoral and intraoral X-ray equipment</li> <li>- exposed image processing, darkroom, automatic, developing, fixing, film processing errors</li> <li>- description and assessment of the radiograph - description of pathological changes.</li> <li>- Protective equipment during imaging, regulations and ordinances on working with ionising radiation</li> <li>- archiving of images</li> </ul>	
<b>Literature :</b> <ol style="list-style-type: none"> <li>1. Koval'ová, E. a kol.: <i>Dentálna rádiografia v praxi: interpretácia snímok v kariológii, parodontológii,</i></li> </ol>	

<i>dentoalveolárnej chirurgii. Prešov: Akcent print, 2005</i> 2. <i>Kovaľová, A., Novák, B.: Orálna hygiena V. Prešov: Vydavateľstvo Pavol Šidelský, Akcent Print, 2013</i> 3. <i>Chudáček, Z.: Rádiodiagnostika. Martin: Osveta, 1993</i> 4. <i>Eliaš, P. a kol. : Moderní diagnostické metody 2. Brno, 1998</i> 5. <i>Spurný, V., Šlampa, P.: Moderní radioterapeutické metody VI. Brno, 1999</i> 6. <i>LEHOTSKÁ, V., KRŠÁKOVÁ, A. 2018. Rádiológia pre stomatológov. Vydavateľstvo VEDA, 2018. 274 s. ISBN 978-80-2241-6443.</i> 7. <i>PASLER, F. 2021. Stomatologická radiologie. Praha: Grada Publishing, 2021. 280 s. ISBN 9788027110391.</i>					
<b>Language which is necessary to complete the course:</b> <i>english</i>					
<b>Notes :</b> <i>The student is obliged to attend 80% of the specified lectures and 90% of the specified practicals.</i> <i>The conditions for the semester thesis are published on the FZO PU website under the instructions for students in the section "Education and specialisations".</i> <i>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: <a href="https://www.unipo.sk/public/media/26637/Pravidla-hodnotenia-zataze-studenta.pdf">https://www.unipo.sk/public/media/26637/Pravidla-hodnotenia-zataze-studenta.pdf</a></i>					
<b>Course evaluation:</b>					
A	B	C	D	E	FX
<b>Lecturers :</b> <i>MUDr. Eva Kovaľová, PhD., guarantor, MUDr. Tatiana Klamárová, PhD., co-guarantor, lecturer, examiner</i>					
<b>Date of last change:</b> 31.03.2024					
<b>Approved by :</b> <i>doc. MUDr. Eva Kovaľová, PhD. – guarantor</i>					