**Subject:** Dental Radiology

**Study Programme:** Dental Medicine  
**Semester:** 6. semester

**Valuation:** exam  
**Obligation:** obligatory

**Number of hours:** 2 h.lectures and 2 h. practical/week  
56 hours

**Place:** Department of Stomatology and Maxillofacial Surgery  
1st Department of Stomatology  
Department of Stomatology and Maxillofacial Surgery and Akademia Košice n.o.

**Wednesday PE 11:15 - 12:45**

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<tr>
<th>Week</th>
<th>Lectures</th>
<th>Practical lessons</th>
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**MUDr. MGR. Kizek Peter, Phd.**  
17.02.2021 | Fundamentals of radiation physics, X-ray equipments, Films and processing, Radiographic quality and artefacts. |
**MUDr. MGR. Kizek Peter, Phd.**  
| 3. | Intraoral radiographic technics: paralleling technique, bisected angle technique, bitewing technique. Digital radiography (radiovisiography)  
**MUDr. MGR. Kizek Peter, Phd.**  
03.03.2021 | Intraoral radiographic technics: paralleling technique, bisected angle technique, bitewing technique. Digital radiography (radiovisiography) |
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<td>5.</td>
<td>TMJ radiography – normal anatomy and pathological changes. Artrography. Cephalometric radiography. <strong>MUDr. MGR. Kizek Peter, Phd.</strong> 17.3.2021</td>
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<td>7.</td>
<td>Periodontal tissues and periodontal diseases radiology – normal anatomy and pathological changes (the amount of bone present, bone loss in furcation areas, horizontal and vertical bone resorbion, calculus deposits, overextended restorations, widening of the periodontal ligament space, periodontitis, etc). <strong>MUDr. MGR. Kizek Peter, Phd.</strong> 31.03.2021</td>
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<td>8.</td>
<td>Radiographic interpretation and evaluation of deciduous, mixed and permanent dentition. Developmental stages of the teeth and possible their anomalies, e.g. in the shape, size, number, position.</td>
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<td>9.</td>
<td>Teeth and periapical tissues radiology – normal anatomy and pathological changes crowns, roots and root canals, incisive and mental foramen, antrum, mandibular canal, caries, restorations, periapical lesions, etc.</td>
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### Specific conditions for passing the subject:
Passing 100% participation in practical lessons and lectures from 15.2. to 21.5.2021. Ongoing check with record of evaluation during clinical education.

### Change due to Pandemic SARS - COVID -19: From 15.2. 2021 : Distance form of education according to the syllabus program.
Ongoing review with evaluation record during the distance study once a week after elaboration of assigned topic by the study group teachers and its evaluation followed by registration on UPJŠ website. Credit test min 70%.

### Conditions for credit: 100% communication with teacher

### References:
Olaf E. Langland et al.: Panoramic radiology, 1989 Čihák, R.
Fehrenbach,M.J., Herring, S.W., Illustrated anatomy of the head and neck, 2012 Sineľníkov, R. D.
Schumacher, G.-H., Anatómia pre stomatológov I a II, 1992
Petra Köpf – Maier Wolf, Heidegger’s atlas of HumanAnatomy 2, 2004