

## COURSE SYLLABUS

### Semmelweis University Faculty of Dentistry, Dentistry

**Name of the course:** General and Dental Radiology I.

**Credit value:** 3

**Lessons (in hours in the whole semester):** 3      **lectures:** 1      **practicals:** 2      **seminars:**

**Type of the course:** compulsory    obligatory    elective    elective

**Semester in which it is announced according to the curriculum:** 7th semester

**Frequency of announcement (per semester or year):** per year

**The responsible educational and research organizational unit for teaching the subject:**

Department of Oral Diagnostics

**Academic year:** 2024/2025.-

**Subject code:** FOKOODT247\_1A

**Lecturer of the course:** Dr. Dobó Nagy Csaba

**Academic position:** full professor

**Contact:** Department of Oral Diagnostics, +36 1 459 1500 / 59161

**The goals of the course in point of view of the education:**

The student should gain routine in the evaluation of intraoral X-rays. The student shall be familiar with X-ray modalities. The student shall be able to perform independently intraoral X-ray image under the supervision of experienced personnel.

**Location of the course (address of lecture hall, seminar room etc.):**

**place of lectures:** Árkövy József lecture hall; 1088 Budapest, Szentkirályi utca 47. ground floor

**place of practices:** Department of Oral Diagnostics seminar room; 1088 Budapest, Szentkirályi utca 47. III. floor

**Competences acquired by completion of the course:**

Competence in evaluating intraoral radiographs independently.

**Pre-study requirements and prerequisites of course registration and completion, in case of a multi-semester subject, the standpoint of the educational-research unit on the concurrent subject registration and on the requirements of permission thereof:**

Radiation protection, no concurrent subject registration

**Number of students required for announcement of course (min., max.):**

n.a.

**Method of course registration:**

In NEPTUN system.

**Detailed course/lecture description<sup>1</sup>:** (to facilitate credit recognition in other institutions)

lectures:

1. Normal anatomy of the teeth

2. Normal anatomy of the jaws, development of the teeth
3. Interpretation of radiographs
4. Caries, pulp cavity; Extraction of the teeth
5. Periapical lesions; Root canal filling
6. Periodontal disease
7. Cysts of the jaws; Resorption of the teeth
8. Hypercementosis, tumors, anomalies
9. Extraoral techniques
10. Panoramic radiography
11. Cone-beam CT
12. Digital imaging systems
13. Imaging of the temporomandibular joint
14. Paranasal sinuses, written test

practices:

1. Tooth anatomy
2. Anatomical landmarks. Part one
3. Anatomical landmarks. Part two
4. Caries
5. Development of the teeth, extraction
6. Periapical lesions
7. Periodontal disease
8. Cysts
9. Hypercementosis, tumors, resection
10. Anomalies, Midterm
11. Complex practice, selected X-ray images
12. Practicing bisecting technique
13. Practicing parallel technique
14. Analyzing the intraoral X-ray images of the exam

**Courses (*compulsory and obligatory elective*) which in part or entirely overlap the topics of above course:**

n.a.

**Special academic work required for completion of the course<sup>2</sup>:**

not required

**Attendance on practices and lectures, replacement in case of missed sessions:**

Students must attend on the practices. The signature will be refused, if the student was absent in more than 25% of the duration of the practices.

**Method of checking acquired knowledge during the study period<sup>3</sup>:**

Midterm on the 10th week. The result (mark) of the midterm determines the practical mark. Possibility of replace and retake of the midterm is on the 12th and 14th week during practice.

**Requirements of an accepted semester (*signature of the lecturer*):**

Successful completion of the midterm („satisfactory” mark at least) and attendance on the practices according to the Study and Examination Policy.

**Type of the exam:**

No exam

**Requirements of the exam<sup>3</sup>:**

No exam

**Grading of courses<sup>4</sup>. The possibility and requirements of an offered grade:**

<p>The result (mark) of the midterm determines the practical mark. The grade of written test successfully completed can be used as a substitute for answering the exam topics listed on the Department's website during the General and Dental Radiology II comprehensive examination.</p>	
<p><b>Exam registration:</b> No exam</p>	
<p><b>Rules of repeating exams:</b> No exam</p>	
<p><b>List of textbooks, lecture notes and recommended textbooks:</b> Stuart White Michael Pharoah: Oral Radiology <a href="http://semmelweis.hu/oralis-diagnosztika/en/education/radiology">http://semmelweis.hu/oralis-diagnosztika/en/education/radiology</a></p>	
<p><b>Signature of course lecturer:</b></p>	
<p><b>Signature of head of department:</b></p>	
<p><b>Date of submission:</b> 22<sup>th</sup> August 2024.</p>	
<p><b>Opinion of OKB:</b></p>	
<p><b>Notes from the Dean's Office:</b></p>	
<p><b>Signature of Dean:</b></p>	

<sup>1</sup> Detailed and numbered for each week of theoretical and practical lessons one by one, indicating the names of lecturers and instructors

<sup>2</sup> Eg. homework, report, midterm exam etc. Topics, dates, method of retake and replacement

<sup>3</sup> List of topics in case of theoretical exam, thematic and method in case of practical exam

<sup>4</sup> Method of inclusion of theoretical and practical exams. Method of inclusion of midterm assessments.