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| **Syllabus 2020/2021**  **training cycle: Recruitment 2016/2017** | | | | | | | | | | | | | | | | | | | | |
| **Description of the course** | | | | | | | | | | | | | | | | | | | | |
| **Module/Course** | | | | | | **Dental Radiology** | | | | | | | | | | | | | | |
| **Faculty** | | | | | | English Division, Faculty of Dentistry | | | | | | | | | | | | | | |
| **Major** | | | | | | Faculty of Dentistry | | | | | | | | | | | | | | |
| **Specialties** | | | | | |  | | | | | | | | | | | | | | |
| **Level of studies** | | | | | | Uniform magister studies X\*  1st degree studies  2nd degree studies  3rd degree studies  postgraduate studies | | | | | | | | | | | | | | |
| **Form of studies** | | | | | | X full-time X part-time | | | | | | | | | | | | | | |
| **Year of studies** | | | | | | V | | | | | | **Semester**  **IX** | | | X Winter  Summer | | | | | |
| **Type of course** | | | | | | X obligatory  limited choice  free choice / elective | | | | | | | | | | | | | | |
| **Course** | | | | | | X major basic | | | | | | | | | | | | | | |
| **Language of instruction** | | | | | | Polish X English other | | | | | | | | | | | | | | |
| \* mark with an **X** | | | | | | | | | | | | | | | | | | | | |
| **Number of hours** | | | | | | | | | | | | | | | | | | | | |
| Form of education | | | | | | | | | | | | | | | | | | | | |
| Unit teaching the course | | | Lectures (L) | Seminars (SE) | Auditorium classes (AC) | | Major Classes – not clinical (MC) | Clinical Classes (CC) | Laboratory Classes (LC) | Classes in Simulated Conditions (CSC) | Practical Classes with Patient (PCP) | | Specialist Classes – magister studies (SCM) | Foreign language Course (FLC) | Physical Education obligatory (PE) | Vocational Practice (VP) | | Self-Study (Student's own work) | E-learning (EL) | |
| **Winter Semester** | | | | | | | | | | | | | | | | | | | | |
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| **Summer Semester** | | | | | | | | | | | | | | | | | | | | |
|  | | |  |  |  | |  | 15 |  |  |  | |  |  |  |  | |  |  | |
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| **TOTAL per year: 15** | | | | | | | | | | | | | | | | | | | | |
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| **Educational objectives** (max. 6 items)  **C1. To familiarize students with the modern methods of radiological diagnostics, techniques, and methods of radiological imaging of the facial part of the skull.**  **C2. To learn to interpret radiological images in the field of dentistry.**  **C3. To acquaing students with knowledge about radiation protection and the safety of radiological procedures.** | | | | | | | | | | | | | | | | | | | | |
| **Education result matrix for module/course in relation to verification methods of the intended education result and the type of class** | | | | | | | | | | | | | | | | | | | | |
| Number of course education result | | Number of major education result | | | | Student who completes the module/course knows/is able to | | | | | | | Methods of verification of intended education results (forming and summarising) | | | | Form of didactic class  *\*\*enter the abbreviation* | | | |
| **W 01** | | **F.W21.** | | | | Knows the principles of radiological diagnostics | | | | | | | oral answer, written test | | | | CC | | | |
| **W 02** | | **B.W9.** | | | | Knows the principles of radiological protection | | | | | | | oral answer, written test | | | | CC | | | |
| **W03** | | **F.W21.** | | | | Knows the radiological anatomy of the craniofacial area | | | | | | | oral answer, written test | | | | CC | | | |
| **W04** | | **F.W21.** | | | | Knows the diagram of the description of radiological images | | | | | | | oral answer, written test | | | | CC | | | |
| **W 05** | | **B.W9.** | | | | Knows techniques and methods of radiological imaging of the facial part of the skull | | | | | | | oral answer, written test | | | | CC | | | |
| **U 01** | | **F.U14** | | | | Formulates research problems related to his work | | | | | | | oral answer | | | | CC | | | |
| **U 02** | | **F.U15** | | | | Interpretes orthopanthomograms | | | | | | | oral answer | | | | CC | | | |
| **U 03** | | **F.U15** | | | | Interpretes intraoral radiological images | | | | | | | oral answer | | | | CC | | | |
| **U 04** | | **F.U15** | | | | Interpretes CBCT images | | | | | | | oral answer | | | | CC | | | |
| **U05** | | **F.U15** | | | | Interpretes intraoral bitewings images | | | | | | | oral answer | | | | CC | | | |
| **K 01** | |  | | | | Works in a group while learning how to interpret radiological images | | | | | | | work in the students group under a teacher control | | | | CC | | | |
| **K02** | |  | | | | Demonstrates the ability to interpret radiological images to other students | | | | | | | work in the students group under a teacher control | | | | CC | | | |
| \*\* L - lecture; SE - seminar; AC – auditorium classes; MC – major classes (non-clinical); CC – clinical classes; LC – laboratory classes; SCM – specialist classes (magister studies); CSC – classes in simulated conditions; FLC – foreign language course; PCP practical classes with patient; PE – physical education (obligatory); VP – vocational practice; SS – self-study, EL – E-learning . | | | | | | | | | | | | | | | | | | | | |
| Please mark on scale 1-5 how the above effects place your classes in the following categories: communication of knowledge, skills or forming attitudes:  Knowledge: +++  Skills: +++  Social competences: + | | | | | | | | | | | | | | | | | | | | |
| **Student's amount of work (balance of ECTS points)** | | | | | | | | | | | | | | | | | | | | |
| **Student's workload**  (class participation, activity, preparation, etc.) | | | | | | | | | | | | | | **Student Workload (h)** | | | | | | |
| 1. Contact hours: | | | | | | | | | | | | | | 15 | | | | | | |
| 2. Student's own work (self-study): | | | | | | | | | | | | | | 10 | | | | | | |
| Total student's workload | | | | | | | | | | | | | | 25 | | | | | | |
| **ECTS points for module/course** | | | | | | | | | | | | | | 1 | | | | | | |
| Comments | | | | | | | | | | | | | |  | | | | | | |
| **Content of classes** (please enter topic words of specific classes divided into their didactic form and remember how it is translated to intended educational effects) | | | | | | | | | | | | | | | | | | | | |
| **Lectures**  **Not applicable** | | | | | | | | | | | | | | | | | | | | |
| **Seminars**  **Not applicable** | | | | | | | | | | | | | | | | | | | | |
| **Practical classes**   1. Intraoral and extraoral radiological images 2. Computed tomography and magnetic resonance imaging 3. Other radiological techniques | | | | | | | | | | | | | | | | | | | | |
| **Other**  **…** | | | | | | | | | | | | | | | | | | | | |
| **Basic literature** (list according to importance, no more than 3 items)  1. E. Whaites,N.Drage. Essentials of Dental Radiography and Radiology.5 -Edition Churchill  Livingstone, 2013 2. S.C.White, M.J.Pharoah.: Oral Radiology:Principles and Interpretation, Mosby, 2014 3. P. Dayal, L.C.Naidog.: Dentomaxillofacial Radiology, Jaypee,2007  **Additional literature and other materials** (no more than 3 items)  1. F. Stabulas-Savage.: Radiology for the Dental Professional , 8 – edition, Elsevier  2. G. Ananad Kumar.: A short Textbook of Oral Radiology, Jajpee, 2004  3. Anil Govindrao Ghom.: Textbook of Oral Radiology, Elsevier, 2008 | | | | | | | | | | | | | | | | | | | | |
| **Didactic resources requirements** (e.g. laboratory, multimedia projector, other…)  **Multimedia projector, base of the radiological pictures** | | | | | | | | | | | | | | | | | | | | |
| **Preliminary conditions** (minimum requirements to be met by the student before starting the module/course)  1. Presence of the student list from Dean’s office  2. Acquaintance of instruction book of work in Oral Surgery Department | | | | | | | | | | | | | | | | | | | | |
| **Conditions to receive credit for the course** (specify the form and conditions of receiving credit for classes included in the module/course, admission terms to final theoretical or practical examination, its form and requirements to be med by the student to pass it and criteria for specific grades)  IMPORTANT! Class attendance cannot be a condition for passing the subject.  Positive estimates from oral answers and writing tests. | | | | | | | | | | | | | | | | | | | | |
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| **Grade:** | | | **Criteria** (only for courses/modules ending with an examination) | | | | | | | | | | | | | | | | | | |
| Very Good  (5.0) | | |  | | | | | | | | | | | | | | | | | | |
| Good Plus  (4.5) | | |  | | | | | | | | | | | | | | | | | | |
| Good  (4.0) | | |  | | | | | | | | | | | | | | | | | | |
| Satisfactory Plus  (3.5) | | |  | | | | | | | | | | | | | | | | | | |
| Satisfactory  (3.0) | | |  | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Name and address of module/course teaching unit, contact: telephone and e-mail address**  Oral Surgery Department / Katedra i Zakład Chirurgii Stomatologicznej  Ul. Krakowska 26, 50-425Wrocław  Tel. 71 -784-02-51, e-mail: jolanta.pilarska@umed.wroc.pl  **Coordinator / Person responsible for module/course, contact: telephone and e-mail address**  lek. dent. Artur Pitułaj / [arturpitulaj@gmail.com](mailto:arturpitulaj@gmail.com)  **List of persons conducting specific classes: full name, degree/scientific or professional title, discipline, performed profession, form of classes.**  dr n. med. Cyprian Olchowy (adiunkt, specjalista radiologii)  Clinical classes  dr n. med. Artur Błaszczyszyn (adiunkt, specjalista chirurgii stomatologicznej)  Clinical classes  dr n. med. Paweł Kubasiewicz-Ross (adiunkt, specjalista chirurgii stomatologicznej)  Clinical classes  lek.dent. Jakub Hadzik (asystent)  Clinical classes  lek.dent. Artur Pitułaj (asystent)  Clinical classes  lek.dent. Paweł Popecki (asystent)  Clinical classes     |  |  | | --- | --- | | **Date of Syllabus development** | **Syllabus developed by** | | ………………………………………….. | Lek. dent. Artur Pitułaj | | **Signature of Head of teaching unit** | | | ……………....……………………………………………………………… | |   **Signature of Faculty Dean** | | ……………....……………………………………………………………… | |  | | | | | | | | | | | | | | | | | | | |
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