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| **Syllabus 2019-20** |
| **Description of the course** |
| **Module/Course** | **Maxillofacial radiology** | **Group of detailed education results**  |
| **Group code****E** | **Group name****V – Clinical non- -surgical sciences** |
| **Faculty** | Dentistry |
| **Major**  | 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**  | **4** | **Semester** |  Winter**X** 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** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Summer Semester** |
| Department of Maxillofacial Surgery |  |  |  |  | 20 |  |  |  |  |  |  |  |  |  |
| **TOTAL per year:** |
|  |  |  |  | 20 |  |  |  |  |  |  |  |  |  |
| **Educational objectives** (max. 6 items)**C1**. Studying basic diagnostic methods in head and neck radiology. **C2**. Studying principles of physics in diagnostic imaging methods and tools.**C3.** Acquiring basic skills in selection, description and interpretation of diagnostic images.**C4**. Studying the rules of radioprotection. |
| **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** | **B.W9****F.W21****E.W1** | * knows the rules of radioprotection
* knows the principles of physics in methods (X-ray, CT, CBCT, MRI, PET, US)
* is acquainted with the diagnostic imaging methods (as above)
* understands the principles of radiologic anatomy and pathology
 | Exam: practical (interpretation of diagnostic images) and choice test | CC |
| **U 01** | **E.U5****F.U13** | * uses the appropriate diagnostic method in clinical situations
* describes and interprets diagnostic images
* selects appropriate methods of differential diagnosis
* prepares medical documentation
 | Exam: practical (interpretation of diagnostic images) and choice test | CC |
| **K 01** | **G.U29****G.U36****G.U39****G.U40****G.U30****G.W25** | * actively participates in clinical exercises
* cooperates in a group
* treats patients, hospital staff and colleagues with respect
* shows compassion and patience to the patient
 | assessment of student behavior by assistant | 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: 3Skills: 3Social competences: 3 |
| **Student's amount of work (balance of ECTS points)** |
| **Student's workload** (class participation, activity, preparation, etc.) | **Student Workload (h)** |
| 1. Contact hours: | 20 |
| 2. Student's own work (self-study): | 10 |
| Total student's workload | 30 |
| **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**n/a |
| **Seminars**n/a |
| **Practical classes**1. Radioprotection. Extraoral projections
2. Intraoral projections. Ultrasonography
3. CT, MRI, PET
4. Inflammatory processes of the jaw bones
5. Imaging in head and neck oncology
6. Diseases of maxillary sinuses. Cysts of the soft tissues
7. Orbital fractures diagnostic imaging
8. Fractures of facial skeleton diagnostic imaging
9. Cystic lesions of jaw bones
10. TMJ disorders imaging
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| **Other**n/a |
| **Basic literature** (list according to importance, no more than 3 items)1. Oral Radiology: Principles and Interpretation, 6th edition, S. C. White, M. J. Pharoah; Mosby/Elsevier 2009. **Additional literature and other materials** (no more than 3 items)1. Essentials of Dental Radiography and Radiology, E. Whaites; Churchill Livingstone/ Elsevier 2003. 2. Intraoral Radiographic Techniques, A. G. Farman, S. A. Kolsom, ADAA Council on Education, Continuing Education Course, Revised March 4, 2011. |
| **Didactic resources requirements:**Laptop, multimedia projector, seminar room, patient rooms in the Department of Maxillofacial Surgery |
| **Preliminary conditions:** credit in dental radiology (3rd year of dentistry) |
| **Conditions to receive credit for the course**:attendance (according to the Study regulations), passing the final exam (choice test, practical part – interpretation of diagnostic images) |
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| **Grade:** | **Criteria** (only for courses/modules ending with an examination) |
| Very Good(5.0) | 90-100% of correct answers |
| Good Plus (4.5) | 80-89% of correct answers |
| Good(4.0) | 70-79% of correct answers |
| Satisfactory Plus (3.5) | 60-69% of correct answers |
| Satisfactory (3.0) | 50-59% of correct answers |
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| **Name and address of module/course teaching unit, contact: telephone and e-mail address**Department of Maxillofacial SurgeryUniversity HospitalBorowska str. 213, 50-556 Wrocław tel. 71 733 36 00, e-mail : hanna.gerber@umed.wroc.pl**Coordinator / Person responsible for module/course, contact: telephone and e-mail address**Marcin Kubiak MD, DDSmobile: 731 703 710, e-mail: marcin.kubiak@umed.wroc.pl, kubiak.mfs@gmail.com**List of persons conducting specific classes: full name, degree/scientific or professional title,** **discipline, performed profession, form of classes**.Marcin Kubiak MD, DDS, MFS – assistant – L, CC Rafał Nowak DDS, PhD, MFS – lecturer – L, CCWojciech Pawlak DDS, PhD, MFS – senior lecturer – L, CCAnna Olejnik MD, DDS – assistant – L, CCAnna Miner MD – PhD student – L, CC

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| **Date of Syllabus development**  | **Syllabus developed by**  |
| 2019-05-29 | Marcin Kubiak MD, DDS |
| **Signature of Head of teaching unit** |
| Prof. Hanna Gerber MD, DDS, PhD |

**Signature of Faculty Dean**  |
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