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| **Syllabus 2020/2021****training cycle: ……………………………………………….** |
| **Description of the course** |
| **Module/Course** | **GENERAL RADIOLOGY** |
| **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**  | III | **Semester** | **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** |
|  |  | **5** |  |  | **5** |  |  |  |  |  |  |  |  |  |
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| **Summer Semester** |
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| **TOTAL per year:** |
|  | 5 |  |  | 5 |  |  |  |  |  |  |  |  |  |
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| **Educational objectives** (max. 6 items)* To gain knowledge of different imaging methods
* To gain basic knowledge on general clinical radiology (apart from the head and neck area)
* To gain knowledge of radiological anatomy with the special emphasis on the head and neck area
* To gain knowledge on the use of diagnostic imaging in the head and neck pathologies
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| **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** | A.W.3 | Knows topography of the human body | ORAL CREDIT | SE, CC |
| **W 02** | B.W9.  | knows the methods of imaging of tissues and organs and principles of operation of diagnostic devices used for this purpose; | ORAL CREDIT | SE, CC |
| **W 03** | B.W10. | knows the principles of operation of ultrasonic devices; | ORAL CREDIT | SE, CC |
| **W 04** | F.W.4 | Knows the causes, symptoms, as well as diagnostic and therapeutic management in major pathologies of the mouth, head and neck in adults and children | ORAL CREDIT | SE, CC |
| **W 05** | F.W.8 | Knows the principles of the diagnostic and therapeutic management in the neoplasms of the head and neck | ORAL CREDIT | SE, CC |
| **W 06** | F.W.18 | Knows basic methods of diagnostic imaging in pathologies of chest, abdomen, pelvis, brain and spine | ORAL CREDIT | SE, CC |
| **W 07** | E.W.7 | Knows basic indications for diagnostic imaging, particularly in emergency cases. | ORAL CREDIT | SE, CC |
| **U 01** | A.U.4 | Interprets the relationship among anatomical structures on the basis of diagnostic imaging | PERFORMANCE, SHOW | SE, CC |
| **U 02** | D.U.4 | Builds a trusting atmosphere during the whole diagnostic process and treatment | PERFORMANCE, SHOW | SE, CC |
| **K 01** | K1 | is ready to use objective sources of information | PERFORMANCE, SHOW | SE, CC |
| **K 02** | K 2 | Is ready to follow instructions with objective sources of information | PERFORMANCE, SHOW | SE, 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: .3…Skills: 2….Social competences: …2.. |
| **Student's amount of work (balance of ECTS points)** |
| **Student's workload** (class participation, activity, preparation, etc.) | **Student Workload (h)** |
| 1. Contact hours: | 10 |
| 2. Student's own work (self-study): | 7,5 |
| Total student's workload | 17,5 |
| **ECTS points for module/course** | 2 |
| 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**1.2.3. |
| **Seminars*** 1 Introduction to radiology (history, basic terminology, radiation protection)
* Basic imaging methods (X-ray, ultrasound, CT, MRI)
* Diagnostic imaging of the chest
* Diagnostic imaging of the digestive tract, urinary system and musculo-sceletal system.
* Diagnostic imaging of the head and neck area.
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| **Clinical classes*** Imaging techniques- physical properties, applications, radiological protection
* Diagnostic imaging of the chest
* Diagnostic imaging of the alimentary system
* Diagnostic imaging of the urinary system
* Diagnostic imaging of the musculoskeletal system
* Application of imaging in the diagnostics of the head and neck pathologies
* CREDIT
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| **Other****1.****2.****3.***etc. …* |
| **Basic literature** (list according to importance, no more than 3 items)1. William Herring. Learning radiology – recognizing the basics – Elsevier 2012 (second edition) 2.3.**Additional literature and other materials** (no more than 3 items)1.2.3. |
| **Didactic resources requirements** (e.g. laboratory, multimedia projector, other…)**MULTIMEDIA, PROJECTOR** |
| **Preliminary conditions** (minimum requirements to be met by the student before starting the module/course)- Basic knowledge of anatomy and pathology of the diseases- Basic knowledge of physics (types of radiation).- Passed course in dental radiology |
| **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.**Each student is obliged to make up all missed classes by joining to a different student group. If this is not possible he or she should prepare a PowerPoint presentation on the topic chosen by his/her teacher. The same works for all rector’s days or dean’s hours.****Conditions to receive credit for the course: positive grade from oral test during the classes** |
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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) |  |
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| **Name and address of module/course teaching unit, contact: telephone and e-mail address****Department of Radiology****Medical University Hospital****Borowska 213, 50-556 Wrocław** **T: +48 71 733 16 68, F: +48 71 733 16 89****Coordinator / Person responsible for module/course, contact: telephone and e-mail address**Prof. dr hab. Marek Sąsiadek/ Radiology/ marek.sasiadek@umed.wroc.pl /71 733 16 68**List of persons conducting specific classes: full name, degree/scientific or professional title, discipline, performed profession, form of classes**.Dr hab. Anna Zimny/ radiologist/ seminar/classesDr hab. Joanna Bladowska / radiologist/ classesDr hab. n. med. Maciej Guziński /radiologist/classesDr n. med. Jacek Kurcz / radiologist/classesDr n. med. Anna Kołtowska / radiologist/classesLek. Przemysław Podgórski / radiologist/classesDr n. med. Mateusz Łasecki/radiologist/classesDr n. med. Michał Wolańczyk/radiologist/classes

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| **Date of Syllabus development**  | **Syllabus developed by**  |
| 26.06.2020r. | …….....dr hab. Anna Zimny....... |
| **Signature of Head of teaching unit** |
| …………………………………………………… |

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