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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** |  |  |  | |  |  |  |  | |  |  | |
|  | | |  |  |  | |  |  |  |  |  | |  |  |  |  | |  |  | |
| **Summer Semester** | | | | | | | | | | | | | | | | | | | | |
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| **TOTAL per year:** | | | | | | | | | | | | | | | | | | | | |
|  | | | 5 | |  | |  | 5 |  |  |  | |  |  |  |  | |  |  | |
|  | | |  | |  | |  |  |  |  |  | |  |  |  |  | |  |  | |
| **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 | | | | | | | | | | | | | | | | | | | | |
| **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. | | | | | | | | | | | | | | | | | | | | |
| **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 | | | | | | | | | | | | | | | | | | | | |
| **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) | | |  | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | |
| **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](mailto: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/classes  Dr hab. Joanna Bladowska / radiologist/ classes  Dr hab. n. med. Maciej Guziński /radiologist/classes  Dr n. med. Jacek Kurcz / radiologist/classes  Dr n. med. Anna Kołtowska / radiologist/classes  Lek. Przemysław Podgórski / radiologist/classes  Dr n. med. Mateusz Łasecki/radiologist/classes  Dr n. med. Michał Wolańczyk/radiologist/classes   |  |  | | --- | --- | | **Date of Syllabus development** | **Syllabus developed by** | | 26.06.2020r. | …….....dr hab. Anna Zimny....... | | **Signature of Head of teaching unit** | | | …………………………………………………… | | | | | | | | | | | | | | | | | | | | |
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