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| **Syllabus** |
| **Description of the course** |
| **Module/Course** | **Periodontology**  | **Group of detailed education results**  |
| **Group code: F** | **Group name:****Clinical course** |
| **Faculty** | Dentistry  |
| **Major**  | Dentistry  |
| **Specialties** | Periodontology  |
| **Level of studies** | Uniform magister studies X\*1st degree studies 2nd degree studies 3rd degree studies postgraduate studies  |
| **Form of studies** | X stationary X non-stationary  |
| **Year of studies**  | IV | **Semester:****VIII** |  WinterX Summer |
| **Type of course** | **X** obligatory limited choice free choice / elective  |
| **Course** | Major |
| **Language of instruction** |  Polish **X** English other |
| **Number of hours** |
| Form of education |
| Unit teaching the course: Department and Division of Periodontology | 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** |
|  | 5 | 10 |  |  |  |  |  | 45 |  |  |  | 15 | 45 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **TOTAL per year: 120** |
| **Educational objectives** (max. 6 items)**C1. Ability to conduct of clinical and epidemiological periodontal examination.****C2. Knowledge of different clinical features of periodontal diseases.** **C3. Understanding the effect of periodontal diseases on general health.****C4. Ability to critically analyze knowledge in accordance with evidence based periodontology.** **C5. Learning and implementing the rules of non-surgical periodontal therapy in practice.**  |
| **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* |
| **FW**  | FW2FW3 FW11FW15FW21FW22 | Knows the rules of preventive care and treatment in periodontologyKnows the microbiota associated with periodontal diseasesKnows the diagnostics and treatment options of periodontal and periimplant diseases Knows the principles of systemic and local antibiotic use in periodontal diseasesKnows how to diagnose periodontitis and periimplantitis by means of radiologic examinationKnows and understands the effect of periodontal diseases on general health. | Oral answers during interactive seminars; Test in the first week of June  | L, SE,SS |
| **FU**  | FU1FU2 FU7FU8FU10 FU12FU20 | Conducts periodontal examination and keeps periodontal records of the patientDiagnoses the periodontal disease and peri-implant pathology Determines indications for the periodontal procedures Applies the personalized prevention in periodontal patientPerforms treatment of acute periodontal conditionsConducts pharmacological treatment of periodontal diseasesDiagnoses and conducts non-surgical treatment of periodontitis  | Credit for practical requirements | PCP, VP  |
| **K**  | FU1FU3FU6  | Collects a medical history from the patient or from his family Explains to the patient the nature of periodontal disease and plans simple periodontal treatment casesInterprets the results of additional periodontal examinations for the patient.  | Credit for practical requirements | PCP, VP  |
| \*\* 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: 5Skills: 4Social competences: 4 |
| **Student's amount of work (balance of ECTS points)** |
| **Student's workload** (Class participation, activity, preparation, etc.) | **Student Workload (h)** |
| 1. Contact hours: | 60 |
| 2. Student's own work (self-study): | 45 |
| 3. Vocational practice after IV year  | 15 |
| Total student's workload | 120 |
| **ECTS points for module/course 3** | 3 |
| 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 (3 x 2 hours)** 1. Etiology of periodontal diseases. Dental biofilms and periodontal infections. Immunoregulation in periodontitis. Genetic susceptibility to periodontitis.
2. Differential diagnosis of periodontal diseases in contemporary classification
3. Protocols of non-surgical periodontal therapy - comparison of effectiveness. Limitations for non-surgical periodontal treatment.
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| **Seminars (5 x 2 hours)**  1. Clinical and epidemiological periodontal examination. Epidemiology of periodontal diseases. Risk factors for periodontitis and periimplantitis. 2. Effect of periodontitis on general health according to contemporary knowledge. 3. Additional examinations in periodontology. 4. Treatment planning protocols of generally healthy patients with periodontal diseases. 5. Treatment planning protocols of periodontal patients with selected systemic diseases.  |
| **Practical classes (15 x 3 hours)**1. Anatomy of periodontal tissues. The function of periodontium in stomatognathic system. Prevention of periodontal diseases.
2. Clinical periodontal examination (Perio Chart). Assessment of individual periodontal risk. Principles of periodontal epidemiological examination.
3. Pathogenesis of periodontal diseases. Dental biofilm. Host factors in pathogenesis of periodontitis. Etiology of peri-implant infections.
4. Contemporary classification of periodontal diseases. Differential diagnosis of periodontal pathology. Clinical features of peri-implant pathology.
5. Radiological diagnostics of the periodontal and peri-implant diseases. Microbiologic, immunologic and genetic tests in diagnosis of periodontitis. Assessment of modifiable risk factors of periodontitis.
6. Relationship between periodontitis and diabetes mellitus, atherosclerotic vascular diseases, adverse pregnancy outcomes and other systemic diseases according to the most recent scientific evidences.
7. Antiseptics in chemical plaque control. Mechanical supragingival plaque control. Initial periodontal therapy.
8. Methodology of classical periodontal treatment- debridement, scaling and root planning. Instruments used for non-surgical mechanical root debridement. Periodontal wound healing after non-surgical therapy. Efficacy of SRP.
9. Alternative non-surgical periodontal therapy- protocols, clinical and microbiologic outcomes, long-term efficacy of alternative non-surgical treatment protocols.
10. Photodynamic therapy in non-surgical treatment of periodontitis. Lasers in periodontal treatment.
11. Antibiotics in periodontal therapy- indication and contraindications for systemic antibiotics usage. Minimizing the risk of development of antimicrobial antibiotic resistance. Periodontal local drug delivery.
12. Management of acute periodontal conditions: treatment of necrotizing periodontal diseases, treatment of periodontal abscesses, treatment of perio-endodontic lesions.
13. Supportive periodontal therapy.
14. Test exam
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| **Other -**  |
| **Basic literature** 1. H-P Mueller. Periodontology. The Essentials. Georg Thieme Verlag, 2016.

**Additional literature and other materials**  1. Clinical periodontology and implant dentistry. 6 edition. Wiley Blackwell 2015.  |
| **Didactic resources requirements** Dental units and instruments for non-surgical periodontal treatment. Seminar and lecture rooms with projector.  |
| **Preliminary conditions:** basic knowledge in the field of preclinical periodontology (year III). |
| **Conditions to receive credit for the course**: Adequate attendance in accordance with the rules of clinical studies, receiving positive grades from the clinical knowledge in the interactive seminars, passing the final test (61% pass rate), self-performing of periodontal clinical procedures.  |
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| **Name and address of module/course teaching unit, contact: telephone and e-mail address:** KATEDRA PERIODONTOLOGII ZAKŁAD PERIODONTOLOGII Tel. :71 784 03 81, e-mail: agnieszka.fiskiewicz@umed.wroc.pl**Coordinator / Person responsible for module/course, contact: telephone and e-mail address**Dr. Aleksandra Sender-Janeczek (aleksandra.sender-janeczek@umed.wroc.pl) **List of persons conducting specific classes: full name, degree/scientific or professional title, discipline, performed profession, form of classes**.Prof. Wojciech Bednarz (SE,PCP), Aleksandra Sender-Janeczek DMD (SE.PCP), Dariusz Chrzęszczyk DMD (L,PCP), Jacek Zborowski DMD (PCP), Aneta Zakrzewska (BDS), Joanna Toczewska (BDS).

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| **Date of Syllabus development**  | **Syllabus developed by**  |
|  2.07.2018  |  Prof. Tomasz Konopka |
| **Signature of Head of teaching unit** |
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**Signature of Faculty Dean**  |
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