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| **Syllabus 2020/2021****training cycle: preclinical training**  |
| **Description of the course** |
| **Module/Course** | **Preclinical Periodontology**  |
| **Faculty** | Faculty of Dentistry  |
| **Major**  | Dentistry  |
| **Specialties** | Periodontology |
| **Level of studies** | Uniform magister studies X |
| **Form of studies** | X full-time  |
| **Year of studies**  | III | **Semester: VI** | X Summer |
| **Type of course** | X obligatory  |
| **Course** | X major  |
| **Language of instruction** | X English  |
| **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) |
| **Summer Semester** |
|  |  | 10 |  |  | 3 |  | 17 |  |  |  |  |  | 15 |  |
| **Educational objectives** (max. 6 items) **C1.** Learning about periodontal instruments and mastering the principles of preventive and therapeutic treatments in periodontics**C2.** The principles of preventive and treatments in periodontics**C3.** Understanding the basics of a clinical periodontal examination |
| **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** | **BW4** | Describes the anatomy of periodontium | Credit seminar classes based on attendance, oral answers and final test | SE, CSC, SS |
| **W 02** | **BW13** | Describes the rules of work with manual and machine-operated periodontal instruments |
| **W 03** | **FW 2**  | Explains the relationship between dental deposits, calculus and periodontal pathology |
| **W 04** | **FW 3**  | Knows the rules of prophylactic and therapeutic treatment in periodontal diseases |
| **W 05**  | **FW 11** | Knows the rules of the clinical periodontal examination |
| **U 01** | **FU 2**  |  Conducts a clinical periodontal examination | Passing procedures under simulated conditions (phantom heads) and then during clinical practice | CSC, CC |
| **U 02** | **FU 8** | Applies individualized periodontal prophylaxis |
| **U 03** | **CU 11** | Makes the right choice of instruments for the periodontal procedure |
| **U 04** | **FU 9** | Performs prophylactic and therapeutic periodontal treatments in the supragingival area |
| **U 05** | **GU 25** | Performs periodontal treatments according to ergonomic principles of work |
| **K 01** | **GU 20** |  Provides the patient with professional information about the prevention of periodontal disease | Passing during simulation condition and then during clinical classes | CSC, CC |
| **K 02** | **GU 17**  | Plans periodontological equipment of the dental office in according to the principles of ergonomics and work safety |
| \*\* 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: 4Skills: 5Social 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: | 30 |
| 2. Student's own work (self-study): | 15 |
| Total student's workload | 45 |
| **ECTS points for module/course** | 2 |
| Comments  |  |
| **Seminars (5 x 2 hours)** 1. Anatomy and physiology of periodontium2. Plaque deposits and their role in etiology of periodontal diseases. Bacterial biofilm and its importance in the etiopathogenesis of periodontitis.3. Periodontological prophylaxis. The role and importance of oral antiseptics.4. The role of basic periodontal procedures in the supra-and subgingival area.5. Clinical periodontal examination. Basic periodontal indicators. |
| **Practical classes (5x3 h in the simulated conditions and 2x3 h in clinical conditions)**1. Construction of brushes (manual, machine), systems for cleaning interdental spaces, tooth brushing techniques, principles of personalized oral hygiene instruction (TIPPS). Practically - polishing tooth surfaces on phantoms.2. Hand instruments in periodontal treatment, principles of ergonomic work with scalers and curettes, handles and support points for hand instruments, rules for sharpening the curette. Practically - removal of supragingival deposits with hand scales in the anterior and lateral part of the lower and upper jaw on phantoms, sharpening the curettes with stones.3. Types and construction of area-specific and universal curettes. Principles of working with Gracey and Langer curettes. A practically-manual SRP procedure in four quadrants of the lower and upper jaw on phantoms.4. Machine scales - types, working technique, types of tips for scaling and root planning, air-polishing - working technique, types of powders. Practically - supragingival ultrasonic scaling in one quadrant on the phantom, machine SRP in two quadrants on the phantom, air-polishing supragingival deposits in one quadrant on phantoms.5. Periodontal probs. Measurements on phantoms - PD, CAL, REC, F (practical credit). Periodontal card (Perio Chart). Threats in the periodontal office - bioareozol, post-exposure prophylaxis. Contraindications to the periodontal examination.6. Clinical periodontal examination - assessment of oral hygiene and inflammation, PD, CAL, REC, F, examination of mobility of teeth and muco-gingival complex, practical filling of the examination card (Perio Chart).7. Supragingival deposits - formation, pathogenicity. Removal of supragingival deposits - manual, machine and supragingival air-polishing (clinical conditions). |
| **Basic literature:**1. Fundamentals of Periodontal Instrumentation and Advanced Root Instrumentation 8th edition, 2016, Gehrig Jill S., Lippincott Williams and Wilkins
2. Newman M.G., Takei H.H., Carranza F.A. (ed.): Carranza’s clinical periodontology. 10th ed. Elsevier Saunders, Philadelphia 2006.
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| **Didactic resources requirements:** Multimedia projector for the seminar room, periodontal phantoms, dental units in clinical - rooms, periodontal instruments(manual and machine-operated)  |
| **Preliminary conditions:** Knowledge of issues related to the antomy and physiology of the periodontal tissues based on the anatomy and histology (year I) and the physiology of the masticatory system and the promotion of oral health (year II). |
| **Conditions to receive credit for the course:**  Attendance at all seminars, pass the knowledge during oral and / or written tests during exercises, perform all required procedures in the conditions of the simulation, credit a practical pass the basis of the periodontal examination in simulation conditions.  |
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| **Name and address of module/course teaching unit, contact: telephone and e-mail address**Department of Periodontology, ul. Krakowska 26, 50-425 Wrocław, tel. :71 784 03 81, e-mail: agnieszka.fiskiewicz@umed.wroc.pl**Coordinator / Person responsible for module/course, contact: telephone and e-mail address**Aleksandra Sender-Janeczek MDM, Department of Periodontology ul. Krakowska 26, 50-425 Wrocław, tel. :71 784 03 81, e-mail: 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**.Aleksandra Sender-Janeczek MDM (SE, SCS,CC), Jacek Zborowski MDM (SE, SCS,CC), Joanna Toczewska MDM (SCS, CC), Katarzyna Dębska- Łasut (SCS, CC)

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| **Date of Syllabus development**  | **Syllabus developed by**  |
| 30.06.2020  | Professor Tomasz Konopka |
| **Signature of Head of teaching unit** |
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