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| **Syllabus for academic year 2017/2018** |
| **Description of the course** |
| **Module/Course** | **Paediatric dentistry and preventive dentistry** | **Group of detailed education results**  |
| **Group code F** | **Group name** **VI- Clinical sciences, major-oriented** |
| **Faculty** | Faculty of Dentistry |
| **Major**  | Dentistry |
| **Specialties** | Paediatric dentistry and preventive dentistry |
| **Level of studies** | Uniform magister studies **X** \*1st degree studies 2nd degree studies 3rd degree studies postgraduate studies  |
| **Form of studies** | **X** full-time part-time |
| **Year of studies**  | V | **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** |
|  |  |  |  |  | **90** |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Summer Semester** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **TOTAL per year:** |
|  |  |  |  | **90** |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Educational objectives** (max. 6 items)G 1. To familiarize students with the basic and specialized knowledge in the diagnosis and treatment of oral cavity diseases in children and adolescents. G 2. Preparing students to perform individual caries risk assessment, establishing the treatment plan and recommendations for the young patient. G3. Preparing students to perform restorative treatment of carious and non-carious hard dental tissues lesions as well as endodontic treatment of patients in the developmental age.G4. Preparing students for active participation in oral health promotion and formulation of preventive programmes. G5. Preparing students for diagnosing and treatment of dental developmental disturbances as well as diagnosing and treatment of dental traumatic injuries in children and adolescents.G6. Preparing students for management of dental anxiety and fear of a patient in developmental age. |
| **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* |
|  **W01** | **F.W.1** | To describe norms of occlusion and malocclusion in different stages of individual development  | Oral response (F),Test (S) | CK |
| **W 02** | **F.W.3** | To explain the principles of preventive-treatment procedures of oral diseases in different stages of individual development | Oral response (F) | CK |
| **W03** | **F.W.7** | To define the principles of management of carious and non-carious hard dental tissues lesions | Oral response (F), Test (S) | CK |
| **W04** | **F.W.7** | To describe the principles of management in dental traumatic injures | Oral response (F), Test (S) | CK |
| **W05** | **F.W.7** | To define symptoms of child’s abuse | Oral response (F), Test (S) | CK |
| **W06** | **F.W.13** | To define indications and contraindication for esthetic dentistry procedures | Oral response (F), Test (S) | CK |
| **W07** | **F.W.22** | To describe and understand the relationships between oral health status and systemic diseases | Oral response (F), Test (S) |  CK |
| **U01** | **F.U01.** | to perform and gather medical and dental history from the patient or the patient`s parents | Clinical assessment, observation | CK |
| **U02** | **F.U02.** | To perform clinical examination of the young patient and interpret the data | Clinical assessment, observation | CK |
| **U03** | **F.U03.** | To be able to explain the patient`s ailments to set the optimal method of treatment confirmed by a conscious consent | Clinical assessment, observation | CK |
| **U04** | **F.U07.** | To be able to present indications and contraindication for dental procedures | Clinical assessment, observation | CK |
| **U05** | **F.U08.** | To solve the problem of disease risk assessment and select of the optimal methods of oral disease prevention | Clinical assessment, observation | CK |
| **U06** | **F.U10.** | To perform treatment of dental caries, pulpal diseases and periapical diseases | Clinical assessment, observation | CK |
| **U07** | **F.U13.** | To use and perform the current documentation of the patient, referral for investigations or specialist medical and dental consultation | Clinical assessment, observation | CK |
| **K01** | **K01** | To cooperate in the group of professionals, in the environment multicultural and multinational | Observation | CK |
| **K02** | **K02** | To create rules of the professional comradeship and the cooperation with representatives of other health care professionals  | Observation | CK |
| **K03** | **K03** | To participate actively in oral health promotion  | Observation  | CK |
| \*\* 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: 5Social competences: 5 |
| **Student's amount of work (balance of ECTS points)** |
| **Student's workload** (class participation, activity, preparation, etc.) | **Student Workload (h)** |
|  | **Winter** |
| 1. Contact hours: | 90 |
| 2. Student's own work (self-study): | 60 |
| Total student's workload | 150 |
| **ECTS points for module/course** | 5 |
| 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) |
| **Practical classes****Semester 9**1. Oral health education in dental practice, oral hygiene recommendations in different age. The analysis of the dietetic recording. Risk of caries identification – Cariogram. General recommendations concerning dietary and hygiene habits. Conservative dental treatment of the patients. 2. Essay: Oral health education in dental practice, oral hygiene recommendations in different age. The analysis of the dietetic recording. Risk of caries identification – Cariogram. General recommendations concerning dietary and hygiene habits. Conservative dental treatment of the patients.3&4 Repetition test from 4 th year: traumatic dental injuries of deciduous and permanent dentition. Preventive measures of caries . The recommendation and safety of fluoride prevention. Gingivitis and periodontitis in children. Surgical treatment of the patients in developmental age. Anaesthesia in children. 5. Early childhood caries (ECC): history, clinical examination, treatment options, recommendations for children and parents, consequences of non-treated ECC. Conservative dental treatment of the patients.6. Essay: Early childhood caries (ECC): history, clinical examination, treatment options, recommendations for children and parents, consequences of non-treated ECC. Conservative dental treatment of the patients.7. Pathological changes in oral cavity – classification, differentiation (hypertrophic changes, disturbances of salivary glands). Conservative dental treatment of the patients.8. Essay: Pathological changes in oral cavity – classification, differentiation (hypertrophic changes, disturbances of salivary glands). Conservative dental treatment of the patients.9. Developmental defects of the dental hard tissue: diagnosis, differentiation and treatment procedures.Conservative dental treatment of the patients.10. Essay: Developmental defects of the dental hard tissue: diagnosis, differentiation and treatment procedures. Conservative dental treatment of the patients.11.Facial swelling (history, clinical examination, additional examination, differentiation diagnosis, treatment options, recommendations). Conservative dental treatment of the patients.12. Essay: Facial swelling (history, clinical examination, additional examination, differentiation diagnosis, treatment options, recommendations). Conservative dental treatment of the patients.13. Dental procedures in children with systemic diseases: heart diseases, disturbances of bleeding, immunosupresion, HBV/HCV infectious, diseases of the kidney, liver, respiratory system – asthma, nervous system, diabetes mellitus, neoplasms. Dental procedures before organ transplantation. Conservative dental treatment of the patients.14. Essay: Dental procedures in children with systemic diseases: heart diseases, disturbances of bleeding, immunosuppression, HBV/HCV infectious, diseases of the kidney, liver, respiratory system – asthma, nervous system, diabetes mellitus, neoplasms. Dental procedures before organ transplantation. Conservative dental treatment of the patients.15. Make up of backlog. Credit of subject (10th semester). Conservative dental treatment of the patients. |
| **Other** |
| **Basic literature** (list according to importance, no more than 3 items)1. Cameron AC, Widmer RP: Handbook of paediatric dentistry. 4th ed. Mosby, St Louis 2013
2. Koch G, Poulsen S: Paediatric dentistry - a clinical approach. Blackwell Munksgaard, 2009.
3. Welbury RR, Duggal MS, Hosey M-T: Paediatric dentistry. Oxford: Oxford University Press, 2005

**Additional literature and other materials** (no more than 3 items)1. Andreasen JO, Bakjland LK, Flores MT, Andreasen FM, Andreasen L: Traumatic dental injures.  A manual. 20112. Scully C, Welbury R: Color Atlas of Oral Diseases in Children and Adolescents. Wolfe Publishing, 20013. McDonald RE, Avery DR, Dean JA: Dentistry for the Child and Adolescent, Elsevier 2011 |
| **Didactic resources requirements** (e.g. laboratory, multimedia projector, other…)multimedia projector, intraoral camera, computer, local internet network, models |
| **Preliminary conditions** (minimum requirements to be met by the student before starting the module/course)To be admitted to the 5th year classes student is required to pass the test summarizing knowledge of the subject from the 4th year, held at the end of 8 semester. |
| **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)**Credit conditions:**1. students have a right to be absent on 10% practical classes in the semester according to Student’s Statutory (absence on more than 10% classes should be fulfilled with the tutor in the last week of the semester)2. theoretical knowledge should be credited with positive mark with the tutor3. practical skills should be credited on positive mark with the tutor4. implementation of clinical procedures 5. students are obliged to prepare and present all seminars’ topics (Power Point  presentation) **Passing the course** requires passing all (100%) of practical/clinical procedures.  "Conditional credit" can be obtained in case of successful realization of 90% of  procedures. All procedures which were not realized during regular course should be  fulfilled before final examination of a Conservative Dentistry course. This  examination takes place at 5th year of the study. The last practical class is devoted to fulfil all theoretical and practical goals and  objectives which were not realized during regular courses. In case of failing to  pass all required goals and objectives of the course after the last course - student will  receive "conditional credit" with a deadline to fulfil all areas ordinated by Dean. **Treatment procedures on 5th year (both semesters):*** investigation (filled in questionnaire, treatment plan) - 5 and at each new patient
* hygienic & dietetic instruction (presentation) - 5 and at each new patient
* preparing of the preventive indications - 2
* fluoride and chlorhexidine varnishes - 5
* placing of fissure sealants – 4
* impregnation – 5
* cavities preparations and fillings (decidous and immature permanent teeth) - 20: 1-surface x 12; 2-surfaces x 4; 3 and more surfaces x 4
* post traumatic crown reconstruction – 1
* endodontic treatment (decidous and immature permanent teeth)- 4
* assisting – 2

**The final examination after the 9th semester of 5th year -- the clinical practical exam and theoretical test and essay.** **1. Practical exam –**clinical interview, clinical examination, treatment plan, preventive recommendations, performance of clinical procedure **2. Theoretical exam -** test and essayFinal exam grade contains:

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| **Paediatric dentistry and preventive dentistry** | **Mean value of grades from III, IV,V year** |  **Practical exam**  **grade** |  **Test grade** | **Essey grade** |
|  |  0.3 |  0.1 |  0.3 |  0.3 |

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| **Grade:** | **Criteria** (only for courses/modules ending with an examination) |
| Very Good(5.0) | achievement of learning outcomes covering all relevant aspects |
| Good Plus (4.5) | achievement of learning outcomes covering all relevant aspects with some errors or inaccuracies |
| Good(4.0) | achievement of intended learning outcomes, with omitting some of the less important aspects |
| Satisfactory Plus (3.5) | achievement of intended learning outcomes, with omitting some important aspects or significant inaccuracies |
| Satisfactory (3.0) | achievement of intended learning outcomes, with omitting some important aspects or serious inaccuracies |
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| **Name and address of module/course teaching unit, contact: telephone and e-mail address**Dept. Of Conservative Dentistry and Pedodontics, Medical University of Wroclawul.Krakowska 26 , WrocławTel.: (71) 784 0361, fax (71)784 03621 stomzach@umed.wroc.pl**Coordinator / Person responsible for module/course, contact: telephone and e-mail address**Prof. Urszula Kaczmarek, DDS, PhD Tel.: (71) 784 0361 urszula.kaczmarek@umed.wroc.pl**List of persons conducting specific classes: full name, degree/scientific or professional title, discipline, performed profession, form of classes**.Joanna Kobierska-Brzoza, PhD Dentistry, dentist- classesKowalczyk-Zając Małgorzata, PhD Dentistry, dentist classesAgnieszka Czajczyńska-Waszkiewicz, BDS Dentistry, dentist- classesDagmara Piesiak-Pańczyszyn, BDS Dentistry, dentist classes

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| **Date of Syllabus development**  | **Syllabus developed by**  |
| 4.05.2017 | Agnieszka Czajczyńska-Waszkiewicz, BDS ……........................................... |
| **Signature of Head of teaching unit** |
| ……………....……………………………………………………………… |

**Signature of Faculty Dean**  |
| ……………....……………………………………………………………… |
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