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| **Syllabus 2020/2021****training cycle: 2019/2020** |
| **Description of the course** |
| **Module/Course** | **Dental Materials** |
| **Faculty** | Faculty of 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**  | II | **Semester IV** |  WinterX Summer |
| **Type of course** | X obligatory limited choice free choice / elective  |
| **Course** |  major X 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** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Summer Semester** |
|  | 5 | 9 |  | 46 |  |  |  |  |  |  |  |  | 90 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **TOTAL per year:** |
|  | 14 |  | 46 |  |  |  |  |  |  |  |  | 90 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Educational objectives** (max. 6 items)**C1. Introduce the students to dental materials and their properties.****C2. Introduce the students to dental material processing technologies.** |
| **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** | **C.W.25****C.W.24****C.W.24****C.W.24****C.W.25****C.W.25** | 1. Defines the basic concepts of dental materials.2. Defines the types of dental materials.3. Describes the primary and secondary materials in dental prosthetics.4. Describes advantages and disadvantages of different dental materials.5. Explains methods of processing of dental materials.6. Knows the rules of the organization of a technical workshop. | Oral response (F)Quizzes (F)Written examination (S) | L, SE, MC |
| **U 01** | **C.U13****C.U11****C.U13****C.U13** | 1. The student uses the tools and laboratory equipment.2. Able to select appropriate materials for the basic laboratory work.3. Performs basic laboratory work.4. Able to perform technological procedures. | Examination of the work (F) | SE, MC |
| **K 01** | **C.K 01****C.K 02** | 1. Work in a group of students.2. Take part in practical tasks. | Oral response (F) | MC |
| \*\* 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: 3 |
| **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): | 90 |
| Total student's workload | 150 |
| **ECTS points for module/course** | 6 |
| 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. Properties of dental materials.2. Impression materials.3. Acrylics.4. Ceramic materials.5. Metal alloys. |
| **Seminars**1. Thermoplastics materials.2. Flexible materials.3. Composites. |
| **Practical classes**1. Physical and mechanical properties of dental materials.2. Auxiliary materials and their processing.3. Basic materials and their processing. |
| **Other** |
| **Basic literature** (list according to importance, no more than 3 items)1. Robert G. Craig, John M. Powers., John C. Wataha: Dental Materials, Properties and Manipulation, 8th edition, Mosby 2004.2. E.C. Combe: Notes on Dental Materials, 6th edition, Pearson Professional Limited 1997.**Additional literature and other materials** (no more than 3 items)1. Marcia Gladwin, Michael Bagby: Clinical Aspects of Dental Materials Theory, Practice and Cases ISBN – 2nd ed., Philadelphia: Lippincott Williams & Wilkins, 2009.2. Kenneth J Anusavice, Phillips' Science of Dental Materials, 11th Ed. Saunders 2003. |
| **Didactic resources requirements** (e.g. laboratory, multimedia projector, other…)Phantom room, dental lab, multimedia projector, computer, laboratory equipment, phantoms. |
| **Preliminary conditions** (minimum requirements to be met by the student before starting the module/course)Medical uniform, boots and helmet variables.Practical activities, examination of the work, written examination. |
| **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.Pass manual training and final test (multiple choice test, 20 questions, 55% to pass) – at the end of semester, summarizing assessment. **The credit for the course is a part of the exam from the Preclinical Dentistry.** |
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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 Experimental Dentistry, ul. Krakowska 26, 50-425 Wrocław, contact: 71/784 02 91, stom.dosw@umed.wroc.pl**Coordinator / Person responsible for module/course, contact: telephone and e-mail address**Dr n. med. W. Florjański, contact: 71/784 02 91, stom.dosw@umed.wroc.pl**List of persons conducting specific classes: full name, degree/scientific or professional title, discipline, performed profession, form of classes**.Prof. dr hab. n. med. M. Więckiewicz, prof. dr hab. n. med. M. Ziętek, dr inż. J. Weżgowiec, dr n. med. J. Smardz, lek. dent. A. Małysa, dr n. med. W. Florjański, lek. dent. S. Orzeszek

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| **Date of Syllabus development**  | **Syllabus developed by**  |
| 10.06.2020 r. | Dr n. med. W. Florjański |
| **Signature of Head of teaching unit** |
| Prof. dr hab. Mieszko Więckiewicz |

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