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| Syllabus for academic year 2019/2020 |
| **Description of the course** |
| **Module/Course** |  **Ergonomics** | **Group of detailed education results**  |
| **Group code G** | **Group name** **VII-Legal and organizational basis of medicine** |
| **Faculty** | Faculty of Dentistry |
| **Major**  | Dentistry |
| **Specialties** | Ergonomics |
| **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**  | I | **Semester** |  Winter**X** 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** |
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| **Summer Semester** |
|  |  | **21** |  | **9** |  |  |  |  |  |  |  |  | **30** |  |
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| **TOTAL per year:** |
|  |  | **21** |  | **9** |  |  |  |  |  |  |  |  | **30** |  |
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| **Educational objectives** (max. 6 items)**G1.** To familiarize students with the specifics and ergonomics in the dental practice.**G2.** To familiarize students with the sanitary-epidemiological principles related to the work safety. |
| **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** | **G.W11** | defines the current etiology of occupational diseases, including those related to the profession of dentist | Presentation, oral response, test | SE, MC |
| **W02** | **G.W16** | knows the principles of ergonomic dental procedures and organization of work in a dental office | Presentation, oral response, test | SE, MC |
| **W03** | **G.W17** | knows the principles of occupational health and safety in dentistry | Presentation, oral response, test | SE, MC |
| **U 01** | **G.U15** | to be able to arrange the dental practice | Presentation, oral response, test | SE, MC |
| **U02** | **G.U25** | Operates in accordance with ergonomic principles of work | Presentation, oral response, test | SE, MC |
| **U03** | **G.U26** | to apply at his work: sanitary work regulations and epidemiological safety and health regulations  | Presentation, oral response, test | SE, MC |
| **K 01** | **K01** | To be able to create rules of the professional comradeship and the cooperation with representatives of other health care professionals | Summarizing methods:- constant evaluation by teacher (surveying)Shaping methods:- observation of student’s work- discussion during classes- opinions of colleagues | SE, MC |
| **K02** | **K02** | To cooperate in the group of professionals, in the environment multicultural and multinational | Summarizing methods:- constant evaluation by teacher (surveying)Shaping methods:- observation of student’s work- discussion during classes- opinions of colleagues | SE, 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: 4Skills: 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: | 30 |
| 2. Student's own work (self-study):Individual preparation for theoretical and practical classes (preparing of a project, documentation, case description, etc.). Individual preparation for credit tests/colloquia. Individual preparation for final exam/credit. | 60 |
| Total student's workload | 90 |
| **ECTS points for module/course** | 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** |
| **Seminars**1. Ergonomics as a science. Ergonomics in Dentistry, Report of Herluf Scovsgaard. Ergonomic Report for XO Dental.2. Ergonomics in Dental Office: a. proper work organization; b. c. concepts for ergonomic work.3. Preparation for the ergonomic work in a dental office:a) proprioceptive derivation (PD) concept;b) exercise for pd concept; c) proper patients position; d) support degrees, dentists body posture during procedures.Different working models: a) solo, 2 hands dentistry;b) duo, four hands dentistry; c) six hands working model.4. Basic rules and definitions in ergonomics: a) teeth sectors; b) movement classifications; c) field of vision; d) 5 changes rule (by Paul); e) working zones for dental team; f) controlling fingers, controlling soft tissues. Proper instrumentation and holding instruments.5. Epidemiology of diseases that could be transmitted in dental office. Measures of prevention of cross contamination in dental office. Disinfection and sterilization of the dental equipment, methods of control and documentation. Credits for seminars 1-4.6. Etiology of diseases connected with working in dental team, ways of prevention.7. Modern equipment, dental instruments. OHS. Organization of dental practice with the ergonomics rules. X-ray in dental practice.8. Practical exercises. Credits for seminars 6-7.9. Practical exercises.10. Practical exercises. Summary. Credits. |
| **Practical classes**Classes 8,9,10 are principal, practical non-clinical classes (MC). Credit of classes. |
| **Other** |
| **Basic literature** (list according to importance, no more than 3 items)1. Ergonomics and the Dental Care Worker, Denise Murphy PhD, American Public Health Association (June 1998).2. Four-Handed dentistry. A handbook of clinical application and ergonomic concepts. Betty Landley Finkbeiner, Upper Saddle River, New Jersey, 2001. |
| **Didactic resources requirements** (e.g. laboratory, multimedia projector, other…)Seminar room, multimedia projector, phantom room, basic dental tools. |
| **Preliminary conditions** (minimum requirements to be met by the student before starting the module/course)The student should know the anatomy and histology of teeth as well as oral cavity based on knowledge from subjects of the 1st semester of the first year. |
| **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)1. Positively crediting the test/essay.2. Subject Ergonomy is the part of the OSCE exam allowing student to exercise on clinical tutorials after the 4th semester.**Ergonomics in Dentistry is one of courses that are included in practical exam and test of all preclinical lectures which must be passed to get credits and be allowed to study on 3rd year of dentistry.**  |
| **Grade:** | **Criteria** (only for courses/modules ending with an examination) |
| Very Good(5.0) | Subject is credited with no grade. |
| 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 Conservative and Pedodontic Dentistry W. U. Med. Tel. (71) 7840362ul.Krakowska 26 Wrocław email: 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.plMirosława Kasiak, PhD Tel.: (71) 784 0361 stomzach@umed.wroc.pl **List of persons conducting specific classes: full name, degree/scientific or professional title, discipline, performed profession, form of classes**.Research and didactic workers employed in the Chair and Department of Conservative Dentistry and Pedodontics, with respective professional and research competences in the fields mentioned previously. Maciej Dobrzyński, PhD dentistry, dentist – seminars, auditorium classes

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| **Date of Syllabus development**  | **Syllabus developed by** |
| 20.06.2018 | Agnieszka Czajczyńska-Waszkiewicz, BDS |
| **Signature of Head of teaching unit** |
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**Signature of Faculty Dean**  |
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