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| **Syllabus** |
| **Description of the course** |
| **Module/Course** | **Physiology of Masticatory System** | **Group of detailed education results**  |
| **Group code B** | **Group name****Scientific bases of medicine** |
| **Faculty** | Faculty of Dentistry |
| **Major**  | Dental Prosthodontic |
| **Specialties** |  |
| **Level of studies** | Uniform magister studies X1st degree studies 2nd degree studies 3rd degree studies postgraduate studies  |
| **Form of studies** | X full-time X part-time |
| **Year of studies**  | II | **Semester**III | 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** |
|  |  | **45** |  |  |  |  |  |  |  |  |  |  | 65 |  |
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| **Summer Semester** |
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| **TOTAL per year:** |
|  | 45 |  |  |  |  |  |  |  |  |  |  | 65 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Educational objectives** (max. 6 items)**C1:** Describes the anatomy and topography of elements of stomatognathic system.**C2:** Defines the terms connected with instrumental analysis of occlusion. Explains the purpose of using face bows and articulators.**C3:** Shows the knowledge of the function and mechanism of cooperation of stomatognathic system with other structures. |
| **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****W 02****W 03****W 04****W 05****W 06****W 07**  | **B.W8.****B.W8.****B.W8.****B.W8.****B.W8.****B.W8.****B.W8** | 1. Describes the anatomy and topography of elements of stomatognathic system.2. Explains the mechanisms of development and physiological degradation of the stomatognathic system.3. Knows the methods of diagnosis of stomatognathic system.4. Defines the terms connected with instrumental analysis of occlusion.5. Explains the purpose of using face bows and articulators.6. Describes the anatomy and physiology of periodontium and salivary glands.7. Describes the mechanisms of speech, swallowing and breathing and their connections with physiology of masticatory system. | Knowledge test during clinical classes (multiple choice test and oral response).Final test (multiple choice test, 20 questions, 60% to pass) – at the end of semester, summarizing assessment. | SE |
| **U 01****U 02****U 03****U 04** | **B.U2.****B.U2.****B.U2.****B.U2.** | 1. Can prepare proper multimedia presentation.2. Can interpret the theoretical information during the diagnosis of TMD.3. Can evaluate teeth age and bone age Fasing on X-ray.4. Can analyse occlusion. | Evaluation of the presentation, verified by the academic teacher conducting the seminar. | SE |
| **K 01****K 02****K 03** | **C.K01.****C.K02.****C.K03.** | 1. Student actively participates in practical classes.2. Cooperates in students’ group.3. Participates in procedures connected with practical tasks. | Evaluation of students’ attitude during classes. | SE |
| \*\* 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: 3Social competences: 2 |
| **Student's amount of work (balance of ECTS points)** |
| **Student's workload** (class participation, activity, preparation, etc.) | **Student Workload (h)** |
| 1. Contact hours: | 45 |
| 2. Student's own work (self-study): | 65 |
| Total student's workload | 110 |
| **ECTS points for module/course** | 4 |
| 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**1.2.3. |
| **Seminars**1. Stomatognathic system-general terms, modern nomenclature.
2. Esthetic face analysis in dental aspects.
3. Development of stomatognathic system.
4. Occlusion-norms and concepts.
5. Temporomandibular joint – anatomy and function.
6. Neuro – muscular system of stomatognathic system and its correlation to other skeletal structures.
7. Mastication and swallowing.
8. Speech in dental aspects.
9. Breathing in dental aspects.
10. Salivary glands – morphology and histology, saliva secretion and its disturbances.
11. Physiology of periodontium.
12. Physiology of oral mucosa.
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| **Practical classes**1.2.3. |
| **Other****1.****2.****3.** |
| **Basic literature** (list according to importance, no more than 3 items)1. Management of temporomandibular disorders and occlusion. 7th ed. / Jeffrey P. Okeson. Elsevier 2013
2. Functional Occlusion - From TMJ to Smile Design By Peter E. Dawson. Mosby Title, 2007
3. Behavioral Dentistry. Ed. by: David Mostofsky, Albert Forgione, Donald Giddon. Blackwell Publishing, 2006

**Additional literature and other materials** (no more than 3 items)1. Stanley j. Nelson: Wheeler`s Dental Anatomy, Physiology and Occlusion 10th Edition, Elsevier 2015
2. Cause-effect implications in medical procedures. Ed. By Włodzimierz Więckiewicz, Anil Kumar Agrawal, Wrocław 2008
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| **Didactic resources requirements** (e.g. laboratory, multimedia projector, other…)*Multimedia projector, laptop* |
| **Preliminary conditions** (minimum requirements to be met by the student before starting the module/course)Posession of knowledge and skills specified in previous semester’s syllabus at least on the basic level |
| **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)Knowledge test during clinical classes (multiple choice test and oral response)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**lek. dent. A. Małysa, 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**.Dr hab. n. med. M. Więckiewicz prof. nadz., lek. dent. A. Małysa, dr n. med. J. Smardz, dr n. med. W. Florjański

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| **Date of Syllabus development**  | **Syllabus developed by**  |
| ………18.05.2019………………………………….. | …lek. dent. A. Małysa....... |
| **Signature of Head of teaching unit** |
| ……………....……………………………………………………………… |

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