



Syllabus for academic year: 2021/2022													
Training cycle: 2020-2025													
Description of the course													
Course	Physiology of the masticatory system										Group of detailed education results		
											Group code B	Group name Scientific bases of medicine	
Faculty	Faculty of Dentistry												
Major	Dentistry												
Level of studies	X uniform magister studies												
Form of studies	X full-time												
Year of studies	II					Semester:	X winter						
Type of course	X obligatory												
Language of study	X English												
Number of hours													
Form of education													
	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)	Foreign language Course (FLC)	Physical Education (PE)	Vocational Practice (VP)	Directed Self-Study (DSS)	E-learning (EL)
Winter semester:													
Department of Experimental Dentistry													
Direct (contact) education		45											
Distance learning													
Educational objectives 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 for course in relation to verification methods of the intended education result and the type of class:													
Number of detailed education result	Student who completes the course knows/is able to						Methods of verification of intended education results			Form of didactic class *enter the abbreviation			

B.W6.	Understands the role and significance of saliva	Knowledge test during 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
B.W8.	Knows and understands the mechanics of the masticatory organ;		
K.S5.	Is able to recognize his own limitations, self-assess educational deficits and needs;		
K.S7.	Is able to use objective sources of information;		
K.S9.	Is able to cooperate in students' group.	Oral response (F), Evaluation of students' attitude during classes.	

* L- lecture; SE- seminar; AC- auditorium classes; MC- major classes (non-clinical); CC- clinical classes; LC- laboratory classes; CSC- classes in simulated conditions; PCP- practical classes with patient; FLC- foreign language course; PE- physical education; VP- vocational practice; DSS- directed self-study; EL- E-learning

Student's amount of work (balance of ECTS points):

Student's workload (class participation, activity, preparation, etc.)	Student Workload
1. Number of hours of direct contact:	45
2. Number of hours of distance learning:	0
3. Number of hours of student's own work:	15
4. Number of hours of directed self-study	
Total student's workload	60
ECTS points for course	2

Content of classes:

Seminars:

1. Introduction to physiology of masticatory system.
2. Stomatognathic system-general terms, modern nomenclature.
3. Esthetic face analysis in dental aspects.
4. Development of stomatognathic system.
5. Occlusion-norms and concepts.
6. Temporomandibular joint – anatomy and function.
7. Neuro – muscular system of stomatognathic system and its correlation to other skeletal structures.
8. Physiology of mastication and swallowing.
9. Physiology of speech in dental aspects.
10. Physiology of breathing in dental aspects.
11. Salivary glands – morphology and histology, saliva secretion and its disturbances. The role and significance of saliva.
12. Physiology of periodontium.
13. Physiology of oral mucosa.
14. Test.
15. Summary of the course. Credit. Test – second term.

Basic literature:

1. Okeson J.P.: Management of temporomandibular disorders and occlusion. 7th ed., Elsevier, 2013.
2. Dawson P.E.: Functional Occlusion - From TMJ to Smile Design. Mosby Title, 2007.
3. Mostofsky D., Forgione A., Giddon D.: Behavioral Dentistry. Blackwell Publishing, 2006.

Additional literature and other materials:

1. Nelson S.: Wheeler`s Dental Anatomy, Physiology and Occlusion. 10th Edition, Elsevier, 2015.
2. Więckiewicz W., Agrawal A.K.: Cause-effect implications in medical procedures. Wrocław, 2008.

Preliminary conditions:

Credit for *Dental modelling* and *Anatomy* (1st year).

Conditions to receive credit for the course:

Knowledge test during seminars (multiple choice test), Final test (multiple choice test, 20 questions, 60% to pass) – at the end of semester, summarizing assessment.

The credit for the course is a part of the exam from the Preclinical Dentistry after 4th semester.

The credit is performed in a direct contact with a teacher. In justified cases, by the rector's decision, it may take place on-line.

	Criteria for courses ending with a credit
Credit	Final test (multiple choice test, 20 questions, 60% to pass) – at the end of semester. The credit for the course is a part of the exam from the Preclinical Dentistry.

Unit realizing the course:	Faculty of Dentistry, Department of Experimental Dentistry
Unit address:	ul. Krakowska 26, 50-425 Wrocław
Telephone:	71/784 02 91
E-Mail:	stom.dosw@umed.wroc.pl

Person responsible for the course:	Prof. dr hab. n. med. Mieszko Więckiewicz
Telephone:	71/784 02 91
E-Mail:	stom.dosw@umed.wroc.pl

List of persons conducting specific classes:

Name and surname	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
Andrzej Matysa	Dent.	Medical science	dentist	SE



1. Nelson S.: Wheeler's Dental Anatomy, Physiology and Occlusion. 10th Edition, Elsevier, 2015.
2. Więckiewicz W., Agrawal A.K.: Cause-effect implications in medical procedures. Wrocław, 2008.

Preliminary conditions:

Possession of knowledge and skills specified in *Dental modelling* syllabus at least on the basic level.

Conditions to receive credit for the course:

Knowledge test during seminars (multiple choice test), Final test (multiple choice test, 20 questions, 60% to pass) – at the end of semester, summarizing assessment.

The credit for the course is a part of the exam from the Preclinical Dentistry after 4th semester.

The credit is performed in a direct contact with a teacher. In justified cases, by the rector's decision, it may take place on-line.

Criteria for courses ending with a credit ³	
Credit	Final test (multiple choice test, 20 questions, 60% to pass) – at the end of semester. The credit for the course is a part of the exam from the Preclinical Dentistry.

Unit realizing the course:	Faculty of Dentistry, Department of Experimental Dentistry
Unit address:	ul. Krakowska 26, 50-425 Wrocław
Telephone:	71/784 02 91
E-Mail:	stom.dosw@umed.wroc.pl

Person responsible for the course:	Prof. dr hab. n. med. Mieszko Więckiewicz
Telephone:	71/784 02 91
E-Mail:	stom.dosw@umed.wroc.pl

List of persons conducting specific classes:

Name and surname	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
Andrzej Małysa	Dent.	Medical science	dentist	SE

Date of Syllabus development

05.07.2021 r.

Syllabus developed by

Dr n. med. Wojciech Florjański

Dr inż. Joanna Weźgowiec

Signature of Head(s) of teaching unit(s)

Dean's signature

Uniwersytet Medyczny we Wrocławiu
WYDZIAŁ
LEKARSKO-STOMATOLOGICZNY
DZIERŻAN

prof. dr hab. Marcin Mikulewicz

Prof. dr hab. n. med. Mieszko Więckiewicz