



14

Syllabus for academic year: 2021/2022 Training cycle: 2018-2023													
Description of the course													
Course	Orthodontics						Group of detailed education results						
							Group code F	Group name SPECIALISED CLINICAL SCIENCES (SURGICAL)					
Faculty	Dentistry												
Major	dentistry												
Level of studies	X uniform magister studies												
Form of studies	X full-time <input type="checkbox"/> part-time												
Year of studies	4th	Semester:						X winter X summer					
Type of course	X obligatory												
Language of study	<input type="checkbox"/> Polish <input checked="" type="checkbox"/> 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 Maxillofacial Orthopaedics and Orthodontics													
Direct (contact) education ¹		20			30								
Distance learning ²													
Summer semester:													
Department of Maxillofacial Orthopaedics and Orthodontics													
Direct (contact) education		20			30								
Distance learning													
TOTAL per year:													
Department of Maxillofacial Orthopaedics and Orthodontics													
Direct (contact) education		40			60								
Distance learning													
Educational objectives (max. 6 items)													
C1. Knowledge of occlusal norm at every stage of human development.													



- C2. Getting to know the most frequently occurring congenital facial deformities syndromes involved in the occurrence of disorders within the masticatory system.
- C3. Ability to distinguish physiology and pathology at different stages of human development, followed by the knowledge of their etiopathogenesis.
- C4. Getting to know orthodontic diagnostics according to Ackerman-Proffit, and the ability to identify individual malocclusions according to this classification.
- C5. Ability to conduct an interview and a physical examination of the patient, make diagnostic impressions and analyze x-ray images.
- C6. Ability to make an orthodontic diagnosis.

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
F.W1.	Knows normal occlusion at each stage of human development and deviations from it;	<ul style="list-style-type: none"> • evaluation of student's preparation for classes and his/her activity during them. • smaller tests throughout the course • final test 	SE/CC
F.W2.	Knows rules of conduct for preventive and curative treatment in diseases of the masticatory organ at different stages of development	<ul style="list-style-type: none"> • evaluation of student's preparation for classes and his/her activity during them. • smaller tests throughout the course • final test 	SE/CC
F.W11.	Knows indications and contraindications for cosmetic dentistry procedures;	<ul style="list-style-type: none"> • evaluation of student's preparation for classes and his/her activity during them. • smaller tests throughout the course • final test 	SE/CC
F.W12.	Recognize causes of complications of stomatognathic system diseases and the principles of handling such complications	<ul style="list-style-type: none"> • evaluation of student's preparation for classes and his/her activity during them. • smaller tests throughout the course • final test 	SE/CC
F.W17.	Is familiar with the principles of construction and operation of removable and fixed orthodontic appliances	<ul style="list-style-type: none"> • evaluation of student's preparation for classes and his/her activity during them. • smaller tests throughout the course • final test 	SE/CC
F.U1.	Know how to take medical history from the patient or his/her family;	<ul style="list-style-type: none"> • evaluation of student's preparation for classes and his/her activity during them. • smaller tests throughout the course • final test 	SE/CC
F.U2.	Know how to perform a physical examination of the patient	<ul style="list-style-type: none"> • evaluation of student's preparation for classes and his/her activity during them. • smaller tests throughout the course • final test 	SE/CC
F.U3.	Know how to explain to the patient the nature of their health issues, determine a method of treatment that is confirmed by the patient's	<ul style="list-style-type: none"> • evaluation of student's preparation for classes and his/her activity during them. • smaller tests throughout the course • final test 	SE/CC



	informed consent and make a prognosis;		
* 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:		100	
2. Number of hours of distance learning:			
3. Number of hours of student's own work:		90	
4. Number of hours of directed self-study			
Total student's workload		190	
ECTS points for course		5,5	
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)			
<p>Seminars</p> <ol style="list-style-type: none"> 1. Introduction to classes, course credit requirements, regulations. Health and safety while working with the patients. 2. Clinical examination in orthodontics, photographic records. 3. Facial development. Theories of craniofacial growth. 4. Occlusion at different stages of development. 5. Extraoral examination, facial features and profile. 6. Ackerman-Proffit malocclusion classification. Dental anomalies. 7. Class II, Class III malocclusions. 8. Vertical malocclusions. 9. Transversal malocclusions. 10. Diagnosis- revision 11. Model analysis. 12. Radiographic assessment – periapical radiographs, CT, lateral cephalometric radiographs, panoramic radiographs. 13. Skeletal and dental age. 14. Biomechanics in orthodontics. 15. Orthodontic materials 16. Prophylaxis. 17. Removable orthodontics appliances. 18. Fixed orthodontics appliances. 19. Combined orthodontic and surgical treatment. Extractions. 20. Combined orthodontic-prosthetic and orthodontic- periodontics treatment. 21. Cleft lip and palate treatment and multidisciplinary team management of congenital facial deformities. 22. Orthodontic treatment failures. 23. 			
<p>Classes</p> <ol style="list-style-type: none"> 1. Introduction - description of the conditions for passing, presentation of topics. 2. Occlusal norm. 3. Facial norm. 4. Bone and dental age - practical exercises. 5. Diagnostics of an orthodontic patient - practical exercises with patients. 6. Diagnostics of an orthodontic patient - practical exercises with patients. 7. Diagnostics of an orthodontic patient - practical exercises with patients. 8. Diagnostics of an orthodontic patient - practical exercises with patients. 9. Diagnostics of an orthodontic patient - practical exercises with patients. 10. Model analysis - practical exercises 11. Model analysis - practical exercises 12. Model analysis - practical exercises 13. Model analysis - practical exercises 14. Practical exercises with patients 			



15. Diagnostics of an orthodontic patient - practical exercises with patients.
16. Diagnostics of an orthodontic patient - practical exercises with patients.
17. Diagnostics of an orthodontic patient - practical exercises with patients.
18. Diagnostics of an orthodontic patient - practical exercises with patients.
19. Diagnostics of an orthodontic patient - practical exercises with patients.
20. Diagnostics of an orthodontic patient - practical exercises with patients.
21. Diagnostics of an orthodontic patient - practical exercises with patients.
22. Diagnostics of an orthodontic patient - practical exercises with patients.
23. Orthodontic treatment planning - practical exercises.
24. Orthodontic treatment planning - practical exercises.
25. Orthodontic treatment planning - practical exercises.
26. Orthodontic treatment planning - practical exercises.
27. Orthodontic treatment planning - practical exercises.
28. Orthodontic treatment planning - practical exercises.

Basic literature (list according to importance, no more than 3 items)

1. An introduction to orthodontics -3rd ed.- Laura Mitchell
2. Orthodontics: Diagnosis and Management of malocclusion and dentofacial deformities - Om Prakash Kharbanda
3. Contemporary orthodontics / William R. Proffit with Henry W. Fields Jr. and James L. Ackerman [et al.]. - 3rd ed. - St. Louis : C. V. Mosby, 2000

Additional literature and other materials (no more than 3 items)

1. Orthodontic materials: scientific and clinical aspects / [ed. by] William A. Brantley, Theodore Eliades; foreword by T. M. Graber. - Stuttgart: Thieme, 2001

Preliminary conditions: (minimum requirements to be met by the student before starting the course)

1. Completed course in preclinical dentistry
2. Completed course in normal anatomy
3. Completed course in functional disorders of the masticatory organ

Conditions to receive credit for the course:

1. Passing the seminars: oral assessment in class, passing tests - minimum 60% together.
2. Passing the clinical classes: an oral or written assessment during classes concerning topics discussed within a given semester (arithmetic average of points received: 2-5 points) - minimum 60% together.
3. A single-answer multiple choice final test in summer semester – 30 questions (maximum of 15 points)
4. In addition, it is possible to receive extra points for participation in the science club:
 - a. Presenting a poster at a congress – 2 points
 - b. Publication – 5 points

The resulting sum of points constitutes a component of the final grade received upon passing the exam in year V.

In order to obtain credit at the end of the academic year, **students must receive at least 60% of the maximum number of points in seminars and practical classes as well as at least 60% (9 points) in the final test.**

	Criteria for courses ending with a credit ³
Credit	In order to obtain credit at the end of the academic year, students must receive at least 60% of the maximum number of points in seminars and practical classes as well as at least 60% (9 points) in the final test.
Unit realizing the course:	Department of Maxillofacial Orthopaedics and Orthodontics
Unit address:	Ul. Krakowska 26, Wrocław
Telephone:	717840299
E-Mail:	ortodoncja@umed.wroc.pl

Person responsible for the course:	Dorota Schutty
Telephone:	717840299
E-Mail:	dorota.kustrzycka@umed.wroc.pl

List of persons conducting specific classes:



Name and surname	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
Beata Kawala	professor	Medical science	Dentist	SE/CC
Joanna Lis	professor	Medical science	Dentist	SE/CC
Marcin Mikulewicz	professor	Medical science	Dentist	SE/CC
Aleksandra Adamek	PhD	Medical science	Dentist	SE/CC
Magdalena Dubowik	PhD	Medical science	Dentist	SE/CC
Joanna Laskowska	DDS	Medical science	Dentist	SE/CC
Anna Paradowska-Stolarz	PhD	Medical science	Dentist	SE/CC
Anna Pelc	DDS	Medical science	Dentist	SE/CC
Sylwia Roguzińska	DDS	Medical science	Dentist	SE/CC
Dorota Schutty	DDS	Medical science	Dentist	SE/CC

Date of Syllabus development

27.06.2021

Syllabus developed by

Magdalena Dubowik

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

Dean's signature

Uniwersytet Medyczny we Wrocławiu
WYDZIAŁ
LEKARSKO-STOMATOLOGICZNY
SZPIKAN

prof. dr hab. Marcin Mikulewicz

Uniwersytet Medyczny we Wrocławiu
KATEDRA oraz ZAKŁAD
ORTOPEDII SZCZĘKOWEJ I ORTODONCJI
(kierownik)

prof. dr hab. Beata Kawala

