



Online learning (synchronous)																			
Online learning (asynchronous)																			
TOTAL per year:																			
Direct (contact) education					90														
Online learning (synchronous)																			
Online learning (asynchronous)																			
Educational objectives (max. 6 items) <ol style="list-style-type: none"> 1. Knowledge of the principles of and an ability to plan malocclusion prevention at different stages of the patient's development. 2. Learning the structure and working principles of the most commonly used removable and fixed orthodontic appliances 3. Basic knowledge of orthodontic biomechanics and the rules of conduct in orthodontic treatment. 4. Ability to plan multidisciplinary treatment in cooperation with a specialist orthodontist. 5. Acquiring the abilities necessary to provide emergency aid to orthodontically treated patients (emergency repair of fixed and removable appliances). 																			
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 <i>**enter the abbreviation</i>				
W 01	F. W3 F.W16	Knows how to plan preventive and therapeutic procedures for masticatory system diseases at different stages of development	<u>Forming methods:</u> - evaluation of student's activity in class - evaluation of student's preparation for classes - smaller tests throughout the course <u>Summarizing methods:</u> - practical quota - theoretical and practical examination												CC				
W 02	F. W5 F.W14 F.W17 F.W22	Knows the symptoms, course and procedures in specific occlusal-dental disorders of the stomatognathic system, taking into an account the age group.	<u>Forming methods:</u> - evaluation of student's activity in class - evaluation of student's preparation for classes - smaller tests throughout the course <u>Summarizing methods:</u> - practical quota - theoretical and practical examination												CC				
W 03	F. W20	Knows the principles of construction and operation of removable and fixed orthodontic appliances	<u>Forming methods:</u> - evaluation of student's activity in class - evaluation of student's preparation for classes - smaller tests throughout the course <u>Summarizing methods:</u> - practical quota - theoretical and practical examination												CC				



W 04	F. W20	Knows the basics of biomechanics in orthodontic treatment	<u>Forming methods:</u> - evaluation of student's activity in class - evaluation of student's preparation for classes - smaller tests throughout the course <u>Summarizing methods:</u> - practical quota - theoretical and practical examination	CC
W 05	C.W23	Knows the equipment of a dental surgery and the instruments used in dental procedures (ergonomics, all preclinical dental subjects)	<u>Forming methods:</u> - evaluation of student's activity in class - evaluation of student's preparation for classes - smaller tests throughout the course <u>Summarizing methods:</u> - practical quota - theoretical and practical examination	CC
U 01	F. U8 G.U17	Is capable of preventing diseases of the oral cavity	<u>Forming methods:</u> - evaluation of student's activity in class - evaluation of student's preparation for classes - smaller tests throughout the course <u>Summarizing methods:</u> - practical quota - theoretical and practical examination	CC
U 02	F. U9	Knows how to proceed in case of teeth and maxillae injuries	<u>Forming methods:</u> - evaluation of student's activity in class - evaluation of student's preparation for classes - smaller tests throughout the course <u>Summarizing methods:</u> - practical quota - theoretical and practical examination	CC
U 03	F.U7 F.U11 F.U13 F. U18 F.U19 E. U3	Has the ability to plan a treatment of dental tissue diseases in the case of patients requiring multidisciplinary treatment	<u>Forming methods:</u> - evaluation of student's activity in class - evaluation of student's preparation for classes - smaller tests throughout the course <u>Summarizing methods:</u> - practical quota - theoretical and practical examination	CC
U 04	F.U11 F. U22	Has the ability to provide first aid in case of a damaged orthodontic appliance;	<u>Forming methods:</u> - evaluation of student's activity in class - evaluation of student's preparation for classes - smaller tests throughout the course <u>Summarizing methods:</u> - practical quota - theoretical and practical examination	CC
U 05	F. U23	Is capable of creating simple orthodontic appliances	<u>Forming methods:</u> - evaluation of student's activity in class - evaluation of student's preparation for classes - smaller tests throughout the course <u>Summarizing methods:</u> - practical quota - theoretical and practical examination	CC



U 06	F. U24 G. U7 G. U11	Has the ability to conduct treatment to prevent malocclusions at the primary dentition stage and mixed dentition stage;	<u>Forming methods:</u> - evaluation of student's activity in class - evaluation of student's preparation for classes - smaller tests throughout the course <u>Summarizing methods:</u> - practical quota - theoretical and practical examination	CC
K 01	D.U13 D.U14	Demonstrates responsibility for his/her own professional development and contribution to the further development of medical science; recognizes his/her own diagnostic limitations and educational needs, and plans educational activities.	<u>Forming methods:</u> - evaluation of student's activity in class - evaluation of student's preparation for classes - smaller tests throughout the course <u>Summarizing methods:</u> - practical quota - theoretical and practical examination	CC
K 02	G.U16	Has the ability to work in a team and lead a team in a dentist's office; is capable of working in a team of professionals, in a multicultural and multinational environment.	<u>Forming methods:</u> - evaluation of student's activity in class - evaluation of student's preparation for classes - smaller tests throughout the course <u>Summarizing methods:</u> - practical quota - theoretical and practical examination	CC
K 03	K 03	Introduces the principles of professional camaraderie and cooperation with representatives of other professions in the field of healthcare.	<u>Forming methods:</u> - evaluation of student's activity in class - evaluation of student's preparation for classes - smaller tests throughout the course <u>Summarizing methods:</u> - practical quota - theoretical and practical examination	CC
K 04	K 04	Respects medical confidentiality and patient rights	<u>Forming methods:</u> - evaluation of student's activity in class - evaluation of student's preparation for classes - smaller tests throughout the course <u>Summarizing methods:</u> - practical quota - theoretical and practical examination	CC

** 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: 5

Skills: 5

Social competences: 5

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

Student's workload (class participation, activity, preparation, etc.)	Student Workload (h)
1. Contact hours:	90
2. Online learning hours (e-learning):	
3. Student's own work (self-study):	120
Total student's workload	210



ECTS points for module/course	7,5
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	
Practical classes	
<ol style="list-style-type: none"> 1. Test – revision of material from year IV 2. Clinical classes – practical classes with orthodontic patients 3. Clinical classes – practical classes with orthodontic patients 4. Clinical classes – practical classes with orthodontic patients 5. Clinical classes – practical classes with orthodontic patients 6. Clinical classes – practical classes with orthodontic patients 7. Clinical classes – practical classes with orthodontic patients 8. Clinical classes – practical classes with orthodontic patients 9. Clinical classes – practical classes with orthodontic patients 10. Clinical classes – practical classes with orthodontic patients 11. Clinical classes – practical classes with orthodontic patients 12. Clinical classes – practical classes with orthodontic patients 13. Clinical classes – practical classes with orthodontic patients 14. Clinical classes – practical classes with orthodontic patients 15. Clinical classes – practical classes with orthodontic patients 16. Test - Midterm 17. Clinical classes – practical classes with orthodontic patients 18. Clinical classes – practical classes with orthodontic patients 19. Clinical classes – practical classes with orthodontic patients 20. Clinical classes – practical classes with orthodontic patients 21. Clinical classes – practical classes with orthodontic patients 22. Clinical classes – practical classes with orthodontic patients 23. Clinical classes – practical classes with orthodontic patients 24. Clinical classes – practical classes with orthodontic patients 25. Clinical classes – practical classes with orthodontic patients 26. Clinical classes – practical classes with orthodontic patients 27. Clinical classes – practical classes with orthodontic patients 28. Clinical classes – practical classes with orthodontic patients 29. Final test 30. Credit 	
Other	
Basic literature (list according to importance, no more than 3 items)	
<ol style="list-style-type: none"> 1. An introduction to orthodontics -4th 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)	
<ol style="list-style-type: none"> 1. Orthodontic materials: scientific and clinical aspects / [ed. by] William A. Brantley, Theodore Eliades; foreword by T. M. Graber. - Stuttgart: Thieme, 2001 2. American Journal of Orthodontics 3. Angle Orthodontist 	
Didactic resources requirements (e.g. laboratory, multimedia projector, other...)	
<ol style="list-style-type: none"> 1. Fully-fitted clinical room 2. Orthodontic laboratory 	



<p>Preliminary conditions (minimum requirements to be met by the student before starting the module/course)</p> <ol style="list-style-type: none"> 1. Completed orthodontic classes in year IV 2. Completed course in preclinical dentistry 3. Completed course in normal anatomy 4. Completed course in functional disorders of the masticatory organ
<p>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 met by the student to pass it and criteria for specific grades)</p> <ol style="list-style-type: none"> 1. Passing the clinical classes: an oral or written assessment during individual classes (free response of multiple-choice test) concerning the issues discussed within a given semester (arithmetic average of points received: 2-5 points) 2. Sum of points obtained from two written midterm-tests (maximum of 10 points) 3. In addition, it is possible to receive extra points for participation in the science club: <ol style="list-style-type: none"> a. Presenting a poster at a congress – 2 points b. Publication – 5 points 4. Points received in the final test (maximum of 50 points) <p>The resulting sum of points constitutes a component of the final grade received upon passing the exam in year V.</p> <p>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 classes and practical classes (quotas) as well as at least 60% in midterm-tests and the final test.</p> <p>Grading scale: 2 (unsatisfactory/fail) – 2 points, 3 (satisfactory) – 3 points, 3,5 (satisfactory plus) – 3.5 points, 4 (good) – 4 points, 4,5 (good plus) – 4.5 points, 5 (very good) – 5 points</p> <ol style="list-style-type: none"> 5. Final examination: oral exam – randomly picked-up set of 5 questions covering topics from 4th and 5th year of orthodontics. <p>The final grade is based on the sum of points obtained in years IV and V as well as the final exam.</p> <p>Year IV – maximum 20 points Year V – maximum 110 points TOTAL – maximum 130 points</p>

Grade:	Criteria (only for courses/modules ending with an examination)
Very Good (5.0)	More than 95% of the points received.
Good Plus (4.5)	90%-95% of the points received
Good (4.0)	80%-90% of the points received
Satisfactory Plus (3.5)	70%-80% of the points received
Satisfactory (3.0)	60%-70% of the points received
	Criteria (only for courses/modules ending with e credit)
Credit	

Grade:	Criteria (examination evaluation criteria)
Very Good (5.0)	More than 95% of the points received.
Good Plus (4.5)	90%-95% of the points received



Good (4.0)	80%-90% of the points received
Satisfactory Plus (3.5)	70%-80% of the points received
Satisfactory (3.0)	60%-70% of the points received
Unit realizing the subject	Department of Maxillofacial Orthopaedics and Orthodontics
Unit address	ul. Krakowska 26, 50-425 Wrocław
Telephone	tel.: 71 784 02 99, faks: 71 784 04 18
E-Mail	e-mail: ortodoncja@umed.wroc.pl

Person responsible for module	Lek.dent. Kornelia Rumin
Coordinator	
Telephone	71 784 02 99
E-Mail	Kornelia.rumin@umed.wroc.pl

List of persons conducting specific classes				
Full name	Degree/scientific or professional title	Discipline	Performed profession	Form of classes

Date of Syllabus development

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Syllabus developed by

Magdalena Dubowik PhD, DDS.

Signature of Head of teaching unit

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Signature of Faculty Dean

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