



Online learning (synchronous)		15												
Online learning (asynchronous)														
TOTAL per year:														
Direct (contact) education														
Online learning (synchronous)		30												
Online learning (asynchronous)														
Educational objectives: (max. 6 items) Educational objectives: C1. Students obtaining knowledge concerning the capabilities of modern orthodontics. Students obtaining the ability to analyze issues and communicate within a group. Acquiring the ability to perform critical analysis of scientific literature. Students obtaining knowledge concerning dental defects - their aetiology, epidemiology, development and prevention. Students acquiring the ability to independently obtain information and perform a critical analysis thereof. C2. Students obtaining knowledge concerning hereditary malocclusions - their epidemiology, prevention, development and treatment. Students acquiring the ability to work independently with the literature, interpret scientific data and work in a team. Students obtaining knowledge concerning the analysis of facial features. Students acquiring the ability to lead and participate in discussions as well as draw conclusions. Providing knowledge concerning contemporary orthodontic diagnostics - macro-aesthetics, mini-aesthetics and micro-aesthetics. C3. Providing knowledge concerning the psychosocial aspects of facial attractiveness and the determinants of attractiveness. C4. Providing knowledge concerning contemporary orthodontic diagnostics - macro-aesthetics, mini-aesthetics and micro-aesthetics. C5. Providing knowledge concerning the changes which occur in the soft tissues of the face and mouth with age and determining the need for orthodontic treatment in adult patients. Providing knowledge concerning the methods of treating the effects of facial ageing and smiling with the use of aesthetic medicine, orthodontic treatment and interdisciplinary treatment. C6. Providing knowledge concerning various treatment options for unaesthetic problems arising during the development of teeth: incisor hypodontia, asymmetries, crowding, distocclusion/mesioocclusion.														
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	B. W 7	Knows the capabilities of contemporary orthodontics.	Oral test, evaluation of activity in class, evaluation of individual or group analyses of the issue	SE										
W 02	C. W 13 B. W 17 B. W 18	Knows and understands the aetiology, epidemiology, development and	Oral test, evaluation of activity in class, evaluation of individual	SE										



		prevention of crowding as well as Class III and Class II malocclusions	or group analyses of the issue	
W 03	D. W 1 D. W 3 D. W 5 D. U1	Knows the determinants of attractiveness and its psychosocial aspects.	Oral test, evaluation of activity in class, evaluation of individual or group analyses of the issue	SE
W 04	F. W 1 F. W 13	Knows the principles of contemporary orthodontic diagnostics: macro-aesthetics, mini-aesthetics and micro-aesthetics.	Oral test, evaluation of activity in class, evaluation of individual or group analyses of the issue	SE
W 05	Optional course with no reference to the basic requirements of the major learning outcomes	Knows the consequences of changes occurring in the soft tissues of the face and mouth as a result of the ageing process and the need for orthodontic treatment in adult patients.	Oral test, evaluation of activity in class, evaluation of individual or group analyses of the issue	SE
W 06	F. W 13	Knows the methods of treating the effects of facial ageing and smiling: aesthetic medicine, orthodontic treatment and interdisciplinary treatment	Oral test, evaluation of activity in class, evaluation of individual or group analyses of the issue	SE
W 07	F. W 13	Knows the main aesthetic issues occurring during the development of teeth and has knowledge of various methods of their treatment: incisor hypodontia, asymmetries, crowding, distocclusion, mesiocclusion.	Oral test, evaluation of activity in class, evaluation of individual or group analyses of the issue	SE
U 01	D. U 19 D. U 15	Has the ability to independently acquire and interpret scientific data.	Oral test, evaluation of activity in class, evaluation of individual or group analyses of the issue	SE
U 02	D. U 19 D. U 15	Has the ability to find a practical application for theoretical scientific data.	Oral test, evaluation of activity in class, evaluation of individual or group analyses of the issue	SE



U 03	D. U 16 D. U 19	Has the ability to analyse issues and present his/her opinion.	Oral test, evaluation of activity in class, evaluation of individual or group analyses of the issue	SE
U 04	D. U 19	Has the ability to draw conclusions from the analysed literature.	Oral test, evaluation of activity in class, evaluation of individual or group analyses of the issue	SE
U 05	F. U 1 F. U 2	Has the ability to perform an analysis of facial features.	Oral test, evaluation of activity in class, evaluation of individual or group analyses of the issue	SE
K 01	D. U 10 D. U 16	Has the ability to work in a team.	Oral test, evaluation of activity in class, evaluation of individual or group analyses of the issue	SE
K 02	D. U 10 D. U 16	Can be responsible for his/her individual work and the team.	Oral test, evaluation of activity in class, evaluation of individual or group analyses of the issue	SE
K 03	D. U 6	Has the ability to listen to the opinions of others and effectively lead a discussion. Demonstrates the ability to respect different opinions.	Oral test, evaluation of activity in class, evaluation of individual or group analyses of the issue	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:2

Skills: 2

Social 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:

2. Online learning hours (e-learning):

30

3. Student's own work (self-study):

15

Total student's workload

45

ECTS points for module/course

1

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)



<p>Lectures</p> <ol style="list-style-type: none">1.2.3.
<p>Seminars</p> <ol style="list-style-type: none">1. Capabilities of contemporary orthodontics. Orthodontic care. Aims and methods of treatment. Technologies used in diagnostics and therapy.2. Analysis and interpretation of scientific publications in the field of orthodontics.3. Aetiology, epidemiology, development and prevention of malocclusions on the example of dental crowding.4. Epidemiology, prevention, development, treatment of hereditary malocclusions on the example of distocclusions.5. Analysis of facial features of various races with normal occlusion and malocclusion. Symmetry. Vertical proportions. Profile analysis.6. Facial attractiveness<ol style="list-style-type: none">a) Determinants of attractiveness<ul style="list-style-type: none">• Age• Sex• Averageness• Symmetry• Otherb) Attractiveness of the various parts of the body and facec) The consequences of being unattractive - the psychosocial aspects7. Aesthetics in orthodontics<ol style="list-style-type: none">a) Macro-aestheticsb) Mini-aestheticsc) Micro-aesthetics8. The ageing face<ol style="list-style-type: none">a) Changes occurring in the soft tissues of the face with ageb) Changes occurring within the oral cavity with age:<ul style="list-style-type: none">• Periodontal diseases• Tooth lossc) Need for orthodontic treatment in adult patients9. Treating the effects of facial ageing and smiling<ol style="list-style-type: none">a) Aesthetic medicine<ul style="list-style-type: none">• Fillers• Botulinum toxin• Quality of life after selected aesthetic proceduresb) Orthodontic treatmentc) Interdisciplinary treatment10. Main aesthetic issues during the development of teeth in relation to treatment options:<ol style="list-style-type: none">a) Incisor hypodontiab) Asymmetriesc) Crowding <p>Distocclusion/mesioocclusion</p>
<p>Practical classes</p> <ol style="list-style-type: none">1.2.3.
<p>Other</p> <ol style="list-style-type: none">1.



2. 3. etc. ...
<p>Basic literature (list according to importance, no more than 3 items) Multimedia materials (presentations) and summaries (printed texts) as well as selected articles developed on the basis of:</p> <ol style="list-style-type: none"> 1. Robert E. Moyers- Handbook of Orthodontics for the Student and General Practitioner, 3ed Edition Chicago, London 2. Martyn T.Cobourne, Andrew T. Dibiase - Handbook of Orthodontics, Mosby Elsevier 2009 3. Orthodontics materials; scientific and clinical aspects; W.A.Brantley, T.Eliades, Stuttgart; Thieme 2001 <p>Additional literature and other materials (no more than 3 items) Lisa F. Donofrio. „Fat distribution: a morphologic study of the aging face”, Dermatol. Surg 26:12: December 2000.</p>
<p>Didactic resources requirements (e.g. laboratory, multimedia projector, other...) Computers, multimedia projector</p>
<p>Preliminary conditions (minimum requirements to be met by the student before starting the module/course) Credit from 1st year</p>
<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) passing the tests verifying knowledge throughout the course, preparing individual and group analyses of specified issues - an oral report</p>

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)	
	Criteria (only for courses/modules ending with e credit)
Credit	Provided topic presentation

Grade:	Criteria (examination evaluation criteria)
Very Good (5.0)	
Good Plus (4.5)	
Good (4.0)	
Satisfactory Plus (3.5)	
Satisfactory (3.0)	



Unit realizing the subject	Department of Maxillofacial Orthopaedics and Orthodontics
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Person responsible for module	Anna Pelc
Coordinator	
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E-Mail	Anna.plec@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

.....

Signature of Head of teaching unit

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Signature of Faculty Dean

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