





Distance learning (asynchronous)																		
<b>Summer Semester</b>																		
Direct (contact) education				9													30	
Online learning (synchronous)		21																
Online learning (asynchronous)																		
<b>TOTAL per year:</b>																		
Direct (contact) education				9													30	
Online learning (synchronous)		21																
Online learning (asynchronous)																		
<b>Educational objectives (max. 6 items)</b> <b>G1.</b> To familiarize students with the specifics and ergonomics in the dental practice. <b>G2.</b> To familiarize students with the sanitary-epidemiological principles related to the work safety.																		
<b>Education result matrix for module/course in relation to verification methods of the intended education result and the type of class</b>																		
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>								
<b>W01</b>	<b>G.W11</b>	defines the current etiology of occupational diseases, including those related to the profession of dentist				Presentation, oral response, test				SE, MC								
<b>W02</b>	<b>G.W16</b>	knows the principles of ergonomic dental procedures and organization of work in a dental office				Presentation, oral response, test				SE, MC								
<b>W03</b>	<b>G.W17</b>	knows the principles of occupational health and safety in dentistry				Presentation, oral response, test				SE, MC								
<b>U 01</b>	<b>G.U15</b>	to be able to arrange the dental practice				Presentation, oral response, test				SE, MC								
<b>U02</b>	<b>G.U25</b>	Operates in accordance with ergonomic principles of work				Presentation, oral response, test				SE, MC								
<b>U03</b>	<b>G.U26</b>	to apply at his work: sanitary work regulations and epidemiological safety and health regulations				Presentation, oral response, test				SE, MC								



<b>K 01</b>	<b>K01</b>	To be able to create rules of the professional comradeship and the cooperation with representatives of other health care professionals	<u>Summarizing methods:</u> - constant evaluation by teacher (surveying) <u>Shaping methods:</u> - observation of student's work - discussion during classes - opinions of colleagues	SE, MC
<b>K02</b>	<b>K02</b>	To cooperate in the group of professionals, in the environment multicultural and multinational	<u>Summarizing methods:</u> - constant evaluation by teacher (surveying) <u>Shaping methods:</u> - observation of student's work - discussion during classes - opinions of colleagues	SE, MC

\*\* 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: 4

Skills: 4

Social competences: 3.

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

<b>Student's workload</b> (class participation, activity, preparation, etc.)	<b>Student Workload (h)</b>
1. Contact hours:	9
2. Online learning hours (e-learning):	21
3. Student's own work (self-study):	60
Total student's workload	90
<b>ECTS points for module/course</b>	3
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**



<p>1. Ergonomics as a science. Ergonomics in Dentistry, Report of Herluf Scovsgaard. Ergonomic Report for XO Dental.</p> <p>2. Ergonomics in Dental Office: a. proper work organization; b. c. concepts for ergonomic work.</p> <p>3. Preparation for the ergonomic work in a dental office:</p> <p>a) proprioceptive derivation (PD) concept;</p> <p>b) exercise for pd concept;</p> <p>c) proper patients position;</p> <p>d) support degrees, dentists body posture during procedures.</p> <p>Different working models:</p> <p>a) solo, 2 hands dentistry;</p> <p>b) duo, four hands dentistry;</p> <p>c) six hands working model.</p> <p>4. Basic rules and definitions in ergonomics:</p> <p>a) teeth sectors;</p> <p>b) movement classifications;</p> <p>c) field of vision;</p> <p>d) 5 changes rule (by Paul);</p> <p>e) working zones for dental team;</p> <p>f) controlling fingers, controlling soft tissues.</p> <p>Proper instrumentation and holding instruments.</p> <p>5. Epidemiology of diseases that could be transmitted in dental office. Measures of prevention of cross contamination in dental office. Disinfection and sterilization of the dental equipment, methods of control and documentation. Credits for seminars 1-4.</p> <p>6. Etiology of diseases connected with working in dental team, ways of prevention.</p> <p>7. Modern equipment, dental instruments. OHS. Organization of dental practice with the ergonomics rules. X-ray in dental practice.</p> <p>8. Practical exercises. Credits for seminars 6-7.</p> <p>9. Practical exercises.</p> <p>10. Practical exercises. Summary. Credits.</p>
<p><b>Practical classes</b></p> <p>Classes 8,9,10 are principal, practical non-clinical classes (MC). Credit of classes.</p>
<p><b>Other</b></p> <p>1.</p> <p>2.</p> <p>3.</p> <p><i>etc. ...</i></p>
<p><b>Basic literature</b> (list according to importance, no more than 3 items)</p> <p>1. Ergonomics and the Dental Care Worker, Denise Murphy PhD, American Public Health Association (June 1998).</p> <p>2. Four-Handed dentistry. A handbook of clinical application and ergonomic concepts. Betty Landley Finkbeiner, Upper Saddle River, New Jersey, 2001.</p>
<p><b>Didactic resources requirements</b> (e.g. laboratory, multimedia projector, other...)</p> <p>Seminar room, multimedia projector, phantom room, basic dental tools.</p>



<p><b>Preliminary conditions</b> (minimum requirements to be met by the student before starting the module/course)</p> <p>The student should know the anatomy and histology of teeth as well as oral cavity based on knowledge from subjects of the 1<sup>st</sup> semester of the first year.</p>
<p><b>Conditions to receive credit for the course</b> (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> <p>1. Positively crediting the test/essay.</p> <p>2. Subject Ergonomics is the part of the OSCE exam allowing student to exercise on clinical tutorials after the 4<sup>th</sup> semester.</p> <p><b><u>Ergonomics in Dentistry is one of courses that are included in practical exam and test of all preclinical lectures which must be passed to get credits and be allowed to study on 3rd year of dentistry.</u></b></p>

<b>Grade:</b>	<b>Criteria</b> (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)	
	<b>Criteria</b> (only for courses/modules ending with e credit)
Credit	

<b>Grade:</b>	<b>Criteria</b> (examination evaluation criteria)
Very Good (5.0)	achievement of learning outcomes covering all relevant aspects
Good Plus (4.5)	achievement of learning outcomes covering all relevant aspects with some errors or inaccuracies
Good (4.0)	achievement of intended learning outcomes, with omitting some of the less important aspects
Satisfactory Plus (3.5)	achievement of intended learning outcomes, with omitting some important aspects or significant inaccuracies



Satisfactory (3.0)	achievement of intended learning outcomes, with omitting some important aspects or serious inaccuracies
Unit realizing the subject	Department of Pedodontic and Preclinical Conservative Dentistry W. U. Med.
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Person responsible for module	Prof. Maciej Dobrzyński, PhD,DSc
Coordinator	Michał Biały
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List of persons conducting specific classes				
Full name	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
Michał Biały	BDS	Dentistry	Dentist	classes
Maciej Dobrzyński	PhD,DSc	Dentistry	Dentist	seminars

**Date of Syllabus development**

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**Syllabus developed by**

.....Magdalena Wirzman.....

**Signature of Head of teaching unit**

.....

Signature of Faculty Dean



**UNIwersytet Medyczny**  
IM. PIASTÓW ŚLĄSKICH WE WROCLAWIU

Appendix  
to Resolution No. 2186  
of Senate of Wrocław Medical University  
of 1 July 2020

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