



Distance learning (asynchronous)						3								
Summer Semester														
Direct (contact) education														
Online learning (synchronous)														
Online learning (asynchronous)														
TOTAL per year:														
Direct (contact) education						5								
Online learning (synchronous)						2								
Online learning (asynchronous)						3								
Educational objectives (max. 6 items) C1. C2. C3.														
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.W27	student knows the basic methods of statistical analysis used in the study population and diagnostic investigations	Oral response	LC										
W 02	B.W29	knows the rules of scientific research (observational and experimental)	Oral response	LC										
U 01	B.U10	student uses the databases, including the Internet, and searches for the required information using available tools	Final test	LC										
U 02	B.U11	student selects an appropriate statistical test, performs basic statistical analyzes and uses	Final test	LC										



		appropriate methods to present the results; interprets the results of meta-analyzes and assesses probability of survival		
<p>** 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 .</p>				
<p>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: 3 Social competences: 1</p>				
Student's amount of work (balance of ECTS points)				
Student's workload (class participation, activity, preparation, etc.)			Student Workload (h)	
1. Contact hours:			5	
2. Online learning hours (e-learning):			5	
3. Student's own work (self-study):			5	
Total student's workload			15	
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)				
Lectures				
1.				
2.				
3.				
Seminars				
1.				
2.				
3.				
Practical classes				
1. Basic statistical concepts - population, sample, representative sample, statistical inference. The concept of variable and variable types.				
2. Presentation of data using charts. Study of sample distributions by means of histograms.				
3. Measures of location and dispersion measures as basic descriptive statistics.				
4. Normal distribution and t-Student distribution. The confidence interval for the mean.				
Other				
1.				



2. 3. etc. ...
<p>Basic literature (list according to importance, no more than 3 items)</p> <p>1. B.R. Kirkwood, J.A. Sterne – Essential Medical Statistics, Blackwell Science 1988, 2003</p> <p>Additional literature and other materials (no more than 3 items)</p> <p>1. B. Rosner – Fundamentals of Biostatistics, Duxbury Thomson Learning 2000</p> <p>2. 3.</p>
<p>Didactic resources requirements (e.g. laboratory, multimedia projector, other...)</p> <p>Computer laboratory, multimedia projector</p>
<p>Preliminary conditions (minimum requirements to be met by the student before starting the module/course)</p> <p>Knowledge of maths in the field of secondary school and basic computer skills</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)</p> <p>Attendance during classes (according to the study regulations), passing the final theoretical/practical test.</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	Attendance during classes (according to the study regulations), passing the final theoretical/practical test and returning homework (e-learning)
--------	--

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	Biostatistics and Medical Informatics Unit of Department of Pathophysiology
Unit address	ul. Marcinkowskiego 1, 50-368 Wrocław
Telephone	tel.71 784 12 69
E-Mail	leslaw.rusiecki@umed.wroc.pl

Person responsible for module	Agnieszka Rusiecka
Coordinator	Agnieszka Rusiecka
Telephone	+48 724881756
E-Mail	agnieszka.rusiecka@umed.wroc.pl

List of persons conducting specific classes				
Full name	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
Agnieszka Rusiecka	PhD	physiology	assistant	classes

Date of Syllabus development

Syllabus developed by

Lesław Rusiecki



21.09.2020 r.

Signature of Head of teaching unit

.....

Signature of Faculty Dean

.....