

U 03	B.U13.	student explains the differences between prospective and retrospective studies, randomized and case-control, case descriptions and experimental researches; ranks them according to the reliability and quality of the scientific evidences;	Oral response	L, SE, LC
U 04	B.U14.	student plans and performs a simple scientific study; interprets the results and draws conclusions.	Final (summer) practical computer test with biostatistics analysis and medical interpretation of obtained results	SE, LC

** L - Lecture; SE - seminar; AC – Auditorial classes ; MC – Major classes (not clinical); CC – Clinical classes; LC – Laboratory Classes; CSC – Classes in Simulated Conditions; FLC – Foreign Language Course; OC – Optional Classes

Please use a cross to mark a scale 1-3, how the mentioned education results place Your class in the following sections: the transfer of knowledge, transfer of skills: (ex. knowledge +++; skills ++)

Knowledge (K): +++

Skills (S): +++

Student's workload input (ECTS points)

The form of student's workload	Student's workload (h)
1. Lessons on-site (hrs.):	42
2. Student's own work (hrs.):	15,5
Summary of the student's workload:	57,5
ECTS points per subject:	2
Notes:	

Subject of class: (please provide the topic of individual classes including type of class; remember the topic of class has to translate into intended education results).

In the case of coordinated subjects, please provide the topic of performed classes separately for each unit performing them:

Lecture

1. Introduction, history, computer systems in healthcare and medical research
2. medical robots, artificial intelligence, telemedicine and e health
3. The basic biostatistical concepts, types of random variables, random events
4. The experimental systems used in medical research, prospective and retrospective studies, randomized and case-control, case studies and experimental research

Seminar

1. Calculation and interpretation of descriptive statistics..

Name and address of unit conducting the course, contact information: telephone and e-mail

Biostatistics and Medical Informatics Unit in Department of Pathophysiology

Tel.71-784-12-69, -62, e-mail: leslaw.rusiecki@umed.wroc.pl (www.bim.umed.wroc.pl)

The list of teachers performing the classes: Name and Surname, academic or professional degree/title, field of study, occupation, type of classes:

In the case of coordinated subjects, please provide the topic of performed classes separately for each unit performing them.

Lesław Rusiecki, dr, adiunkt, L, SE, LC

Person responsible for the course::

dr Lesław Rusiecki

Drawn up on (date):

The syllabus has been drawn up by
dr Lesław Rusiecki

25th June 2015

Signature of the Head of the unit conducting the course

Uniwersytet Medyczny we Wrocławiu
Katedra Patofizjologii
ZAKŁAD PATOFIZJOLOGII
Pracownia Biostatystyki i Informatyki Medycznej
adiunkt

dr n. med. Lesław Rusiecki

The signature of the Dean of the Faculty of Medicine

Wrocław Medical University
FACULTY OF MEDICINE
VICE DEAN FOR STUDIES IN ENGLISH
Prof. Andrzej Hendrich, PhD