

Course description

General information about the course		
1. Major of study: medicine	2. Study level: unified MSc	
	3. Form of study: intramural	
4. Year: I	5. Semester: II	
6. Course name: Basic Statistics		
7. Course status: required		
8. Course contents and assigned learning outcomes		
<p>The goal of the course is to teach the students principles of medical statistics. In particular the student will gain the knowledge and skills in the following areas: summarizing, collecting, presenting and interpreting data generated within medical research, choice of a proper method of data analysis including testing hypotheses (differences and associations), application of basic models of multivariate analysis including survival analysis.</p> <p>Learning outcomes / reference to learning outcomes indicated in the standards</p> <p>For knowledge – student knows and understands:</p> <p>B.W27 Principal methods of statistical analysis used in population based research and clinical research</p> <p>For skills student can do:</p> <p>Choice of a pertinent statistical test, application of basic statistical analyses, implementation of appropriate methods of presentation of the results, interpretation of the results of metanalysis, implementation of survival analysis</p> <p>For social competencies student is ready to: Communicate the results of statistical analyses, collaborate in a research team, participate in a research report preparation</p>		
9. Number of hours for the course		55
10. Number of ECTS points for the course		7
11. Methods of verification and evaluation of learning outcomes		
Learning outcomes	Methods of verification	Methods of evaluation*
Knowledge	Written evaluation – open questions Grade credit – MCQ	*
Skills	Report Observation Practical exam	*
Competencies	Observation	*

* The following evaluation system has been assumed:

Very good (5,0) – the assumed learning outcomes have been achieved and significantly exceed the required level

Better than good (4,5) – the assumed learning outcomes have been achieved and slightly exceed the required level

Good (4,0) – the assumed learning outcomes have been achieved at the required level

Better than satisfactory (3,5) – the assumed learning outcomes have been achieved at the average required level

Satisfactory (3,0) – the assumed learning outcomes have been achieved at the minimum required level

Unsatisfactory (2,0) – the assumed learning outcomes have not been achieved