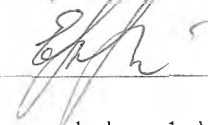


APROB
 Șef Catedră de medicină socială și
 management „Nicolae Testemițanu”,
 dr. hab. șt. med. conf. univ.



Elena RAEVSCHI

Proces verbal nr. 1 din 25 august 2021

Themes of lectures, practical seminars and self-training

“Biostatistics and Scientific Research Methodology”

Medicine nr. II Faculty, IInd year,
 2021-2022 (semester III)

Week	THEME	Number of hours		
		Lectures	Practical hours	Self-training
1,2	Introduction to Biostatistics and Research Methodology. Descriptive statistics: <ul style="list-style-type: none"> - Types of data (variables); - Scales of measurement; - Graphical presentation of data: - Tables; - Histogram and frequency polygon; - Frequency distribution and its shape. 	2	6	4
3,4	Summarizing quantitative data with numbers: <ul style="list-style-type: none"> - Measures of central tendency; - Measures of variability; - Frequency distribution (normal, skewed, bimodal, uniform); - Empirical rule; - "Boxplot". 	2	6	4
5	Summarizing qualitative data with numbers: <ul style="list-style-type: none"> - Ratio, proportion and rate; - Types of rate; - Direct method of standardization; - Vital statistics (mortality, morbidity). 	1	3	2
6,7	Midterm test I “Descriptive statistics” date: 5.6.10.2021 Inferential statistics: <ul style="list-style-type: none"> - Probability; - The Law of Large Numbers; - Standard error; - Probability and non-probability samples; - Types I and II errors; - Confidence Intervals. 	1	6	3
8	<ul style="list-style-type: none"> - Basic steps of hypothesis testing; - Parametric and non-parametric tests. 	1	3	3
9	Correlation:	2	3	3

Week	THEME	Number of hours		
		Lectures	Practical hours	Self-training
	<ul style="list-style-type: none"> - Pearson's correlation coefficient: - Spearman's correlation coefficient: - Scatterplots. 			
10,11	<p><i>Midterm test 2 "Correlation & Inferential statistics"</i> <u>date: 2,3.11.21</u></p> <p>Introduction to Research Methodology:</p> <ul style="list-style-type: none"> - Research: definition, characteristics and types; - Steps of research process; - Formulation of research problem; - Classification of epidemiological study designs; - Descriptive study designs: classification, methodological principles and characteristics; - Case series study and cross-sectional studies. 	2	6	6
12	<p>Preparing research design:</p> <ul style="list-style-type: none"> - Case Control and Cohort studies 	2	3	3
13	<p>Preparing research design:</p> <ul style="list-style-type: none"> - Clinical trials 	2	3	3
14, 15	<p><i>Midterm test 3 "Research Methodology and Critical Reading"</i> <u>date: 30.11, 1.12.21</u></p> <p>Presentation of the research results</p>	2	6	9
Total		15	45	52

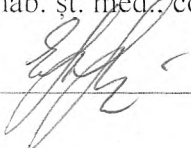
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Proces verbal nr. 1 din 25 august 2021

Lecture schedule
“Biostatistics and Scientific Research Methodology”

Medicine nr. II Faculty, IInd year,
2021-2022 (semester III)

	Subject	Time	Room	Date	Professor
1,2	Introduction to Biostatistics. Types of data and scales of measurement. Frequency distribution. Data presentation. Summarizing quantitative data with numbers. Measures of central tendency and variability	15.30-17.00	<i>On-line</i>	14.09.21	E. Raevschi
3.	Summarizing qualitative data with numbers. Direct method of standardization. Correlation and regression	15.30-17.00	<i>On-line</i>	28.09.21	E. Raevschi
4.	Inferential statistics. Basic steps of hypothesis testing. Parametric and non-parametric tests	15.30-17.00	<i>On-line</i>	12.10.21	E. Raevschi
5.	Introduction to research methodology. Case series and case-control studies	15.30-17.00	<i>On-line</i>	26.10.21	E. Raevschi
6.	Overview of cohort and case control study designs	15.30-17.00	<i>On-line</i>	09.11.21	E. Raevschi
7.	Overview of Clinical Trial Studies. Plagiarism and scientific research.	15.30-17.00	<i>On-line</i>	23.11.21	E. Raevschi

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 Elena Raevschi

Proces verbal nr. 1 din 25 august 2021

Practical class schedule
“Biostatistics and Scientific Research Methodology”

Medicine nr. II Faculty, IInd year,
2021-2022 (semester III)

Day	Time	Group	Room	Professor
Tuesday	12.00-14.15	2053	210	Raevschi E.
		2054	211	Penina O.
		2055	Aula 3	Obreja G.
Wednesday	12.00-14.15	2050	210	Raevschi E.
		2051	Aula 3	Obreja G.
		2052	211	Mihalaș E.

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