

“Iuliu Hațieganu” University of Medicine and Pharmacy
 Faculty of Medicine
 Department 12 - Medical Education
 Discipline: Medical Informatics and Biostatistics
 University year 2022-2023

Biostatistics and Medical Informatics
 1st Year, English Section

Course teaching staff	
Name	Seria
Conf. Dr. Mădălina Ana Văleanu	1
SL Dr. Tudor Călinici	2

Practical activity teaching staff	
Name	Group
SL Dr. Tudor Călinici	5*, 6*
Conf. Dr. Cosmina Ioana Bondor	2*
Conf. Dr. Horațiu Colosi	1*
SL Dr. Dan Istrate	4*, 7*, 9*
Asist. Dr. Andrada Elena Urda-Cîmpean	10*
Asist. Drd. Vlad Ionuț Nechita	3*, 8*

Consultation program	
Name	Consultations
Conf. Dr. Mădălina Ana Văleanu	Tuesday 14-15, Thursday 14-15
SL Dr. Tudor Călinici	Monday 12-13
Conf. Dr. Cosmina Ioana Bondor	Tuesday 14-16, Wednesday 10-11
Conf. Dr. Horațiu Colosi	Tuesday 14-16
SL Dr. Dan Istrate	Monday 12-14
Asist. Dr. Andrada Elena Urda-Cîmpean	Wednesday 14-16
Asist. Drd. Vlad Ionuț Nechita	Monday 12-14, Tuesday 16-18

Contact	
You can contact us on Teams chat or on the email addresses below:	
Name	e-mail adress
Conf. Dr. Mădălina Ana Văleanu	mvaleanu@umfcluj.ro
SL Dr. Tudor Călinici	tcalinici@umfcluj.ro
Conf. Dr. Cosmina Ioana Bondor	cbondor@umfcluj.ro
Conf. Dr. Horațiu Colosi	horatiu@umfcluj.ro
SL Dr. Dan Istrate	distrate@umfcluj.ro
Asist. Dr. Andrada Elena Urda-Cîmpean	aurda@elearn.umfcluj.ro
Asist. Drd. Vlad Ionuț Nechita	nechita.vlad@umfcluj.ro

Exam: Final grade = 30%Practical +70%Theoretical

The weighted average will be calculated if the student has validated both tests (he obtained at least grade 5 at the theoretical exam as well as at the practical exam).

Students will receive during the semester 3 optional topics: their correct answers can bring 0.2 extra points to the calculation of the final grade. Intentionally misplacing or plagiarizing a topic leads to the cancellation of all scores for optional topics.

The students will discuss individually with the practical activities responsables the modality for the recuperation of the absences

Subjects

C01 - Introduction

C02 - Information, Data, Standards, Units of measures (MV)

C03 - Descriptive statistics -1 (MV)

C04 - Descriptive statistics -2 (MV)

C05 - Descriptive statistics 3 (MV)

C06 - Medical applications of the probability theory (TC)

C07 - Random variables. Distributions (MV)

C08 - Estimation (MV)

C09 - Statistical tests 1 (TC)

C10 - Statistical tests 2 (TC)

C11 - Statistical tests 3 (TC)

C12 - Correlation. Regression (TC)

C13 - Applied medical informatics: IoT, expert systems, DICOM (TC)

C14 - Closing session - exam preparation, final considerations

Bibliography

-Courses presentations

Optional bibliography

- Bernard ROSNER, Fundamentals of Biostatistics, any edition.
- Robert H. RIFFENBURGH, Statistics in Medicine, any edition.