Course Syllabus

Code - Course Title	**İST207U -**
Course Type	III. SEMESTER
Laboratory + Practice	0+0
ECTS	**5.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	LECTURER YAŞAR ÖDÜL

Mode of Delivery	Distance Education
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	No recommended optional programme is required
Recommended Resources	Educational and sectoral publications
Work Placement	No work placement

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Definition and Basic Concepts of Statistics	
Week - 2		Compilation, Processing and Display of Data with Graphics	
Week - 3		Averages and Variability	
Week - 4		Statistical Methods for Medical Field	
Week - 5		Midterm Exam Question Solution	
Week - 6		Midterm Exam Question Solution	
Week - 7		Midterm	
Week - 8		Probability Theory	
Week - 9		Sampling and Various Sampling Distributions	
Week - 10		Statistical Estimation and Hypothesis Testing	
Week - 11		Correlation and Regression Analysis	
Week - 12		End of Term Exam Question Solution	
Week - 13		End of Term Exam Question Solution	
Week - 14		End of term exam	

Learning Outcomes

#	Learning Outcome
1	The goal of this course; within the health institution management programs, for candidate administrators who will serve as an administrator in health institutions, in a decision-making processes learning reliable, available, and they can achieve auditable data and obtained data with statistical concepts and techniques aims to provide the knowledge and skills they can convert to information.
2	1. Define statistics, basic concepts, and explain the concept of variable concept and types and scales and scale types,
3	2. Explain data compilation and types in statistics research, data collection techniques, data that represent issues with tables and graphs.
4	3. Explain about the concepts of the mean and variability with variable measures for the statistical series.
5	4. Define the factors affecting the population structure of society with the help of statistical methods in a specific to the health field.
6	5. Have a knowledge about probability theory and knowledge of the basic concepts after descriptive statistics, calculate Binomial, Poisson and probabilities for normal distribution to make predictions and to take decisions about population parameters, with the help of sample statistics will be able to predict, and correlate among the population with sample.
7	6. Distinguish the terms of full count and sampling and explain the benefits of sampling, prepare sampling plan, do sampling practice for a sample investigation.
8	7. Discuss about population parameters according to sample statistics determine the suitable test which will be used for hypothesis tests related with population parameters.
9	9. Calculate the correlation between the variables, determine the way and degree of the relation, express this with a mathematical function by calculating a constant coefficient and slope.

Sustainable Development Goals

No content has been provided.

Course Theme

No content has been provided.

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	0	0	0
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	0	0	0
Ödevler	0	0	0
Proje - Rapor - Sunum Hazırlama	0	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	0	0	0
Final Sınavı Hazırlığı (sınav süresi dahil)	0	0	0
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0	0	0
Staj Uygulaması	0	0	0
		Calculated ECTS	**0**

Assessment Method and Passing Requirements

No content has been provided.

Assessment Method and Passing Requirements	Quamtity	Percentage (%)
1.Midterm Exam	1	30
Final Exam	1	70
	Sum (%)	**100**