		STA	TISTICS							
1	Course Title:	STATIST	FICS							
2	Course Code:	İMÖ3005								
3	Type of Course:	Compuls	sory							
4	Level of Course:	First Cyc	le							
5	Year of Study:	3								
6	Semester:	5								
7	ECTS Credits Allocated:	2.00								
8	Theoretical (hour/week):	2.00								
9	Practice (hour/week):	0.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:									
12	Language:	Turkish								
13	Mode of Delivery:	Face to f	ace							
14	Course Coordinator:	Prof. Dr.	DİLEK SEZGİN MEMNUN							
15	Course Lecturers:	Prof. Dr.	Dilek SEZGİN MEMNUN							
16	Contact information of the Course Coordinator:	Prof.Dr. Dilek SEZGİN MEMNUN Adres: Bursa Uludağ Üniversitesi Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, Matematik Eğitimi Anabilim Dalı, 16059 Görükle / Bursa E-Mail:dsmemnun@uludag.edu.tr								
17	Website:									
18	Objective of the Course:	Sampling, organization and analysis of data; sampling distribution and estimation; confidence interval concept; interval estimation for difference of two population means, interval estimation for ratio of two population variances, binomial parameter, interval estimation for p; learning of hypothesis testing, correlation and regression issues.								
19	Contribution of the Course to Professional Development:	To learn appropria required	the basic concepts of statistics, to decide on the ate parametric and non-parametric statistical analyzes for the study and to use them in the study.							
20	Learning Outcomes:									
		1	To learn the basic concepts of statistics, to know the importance of statistics in education and in daily life							
		2	To know the concept of sampling, organizing and analyzing data							
		3	To know sampling distributions and explaining the concept of confidence interval							
		4	To learn hypothesis tests and usage areas							
		5	To study on examples that require the application of hypothesis tests							
		6	To be able to apply correlation and regression analysis							
		7								
		8								
		9								
		10								
21	Course Content:									
		Co	ourse Content:							
Week	Theoretical		Practice							

2	Statistics Importance of statistics Statistics and research Basic concepts of statistics Universe (Population) -Sample Data-Variable Quantitative-qualitative variables Continuous-discontinuous variables Dependent-independent variables Measuring and scales Classification scales			
	Proportional scales Proportional scales Organizing and analyzing data Classifying statistical data Frequency distributions Displaying frequency distributions with a table			
3	History of statistics Arrangement and analysis of data Classification of statistical data Frequency distributions Showing frequency distributions with a table Grouping of data Graphic representation of data Line graphs Bar graphs Frequency polygon Total frequency-Total percentage graph Circle graph			
4	Description of frequency distributions Central Tendency measures-Arithmetic			
Activit	es	Number	Duration (hour)	Total Work Load (hour)
Theore	tical	14	2.00	28.00
Theore Practica	tical als/Labs	14 0	2.00 0.00	28.00 0.00
Theore Practica Self stu	tical als/Labs Standapteperatibilistribution Standard scores	14 0 14	2.00 0.00 2.00	28.00 0.00 28.00
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Theore Practica Self stu Homew Project	standard normal distribution Standard scores	14 0 14 0 0 0 0	2.00 0.00 2.00 0.00 0.00	28.00 0.00 28.00 0.00 0.00
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13	Testing of Whitney group / s large gro	Testing differences between means Mann- Whitney U test Mann-Whitney U test for small group / samples Mann-Whitney U test for large group / samples														
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LO: Learning Objectives PQ: Program Qualifications																
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