

BIostatISTICS

1	Course Title:	BIostatISTICS
2	Course Code:	SAB 5002
3	Type of Course:	Compulsory
4	Level of Course:	Second Cycle
5	Year of Study:	1
6	Semester:	2
7	ECTS Credits Allocated:	5.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	2.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. İLKER ERCAN
15	Course Lecturers:	Prof. Dr. İlker ERCAN Doç.Dr. Deniz SİĞİRLİ Doç.Dr. Gökhan OCAKOĞLU Doç. Dr. Güven ÖZKAYA
16	Contact information of the Course Coordinator:	Prof. Dr. İlker ERCAN Doç.Dr. Deniz SİĞİRLİ Doç.Dr. Gökhan OCAKOĞLU Doç. Dr. Güven ÖZKAYA ercan@uludag.edu.tr 2953888 Uludağ Üniversitesi, Tıp Fakültesi, Biyoistatistik AD.16059, Nilüfer, BURSA
17	Website:	http://saglikbilimleri.uludag.edu.tr/anabilimdallari.php
18	Objective of the Course:	Importance of biostatistic, presenting and summarizing data, selection of sample, to give basic information about statistical comparisons.
19	Contribution of the Course to Professional Development:	Contribution to academic development
20	Learning Outcomes:	
	1	Understanding the importance of statistical methods in studies
	2	Understanding of the points to be considered in experimental design
	3	Planning a study
	4	Determining required sample size for a study
	5	Preparing data for analysis
	6	Interpretation of analysis results
	7	Preparing tables and figures for visualization of analysis result
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	9	
	10	
21	Course Content:	

	Course Content:	
Week	Theoretical	Practice
1	Biostatistical definition and terms Way of obtaining information	Recognizing Statistical Packages and SPSS Entering data in SPSS
2	Summarizing the information Graph drawing	Graph drawing in SPSS
3	Means Distribution scales	Application in SPSS
4	Probability Binomial distribution	Drawing tables with computer programs
5	Poisson distribution and probability Sampling	Calculation of sample size and probability
6	Hypothesis tests Normal distribution	Application in SPSS
7	Normal distribution and z test,	Application in SPSS
8	t distribution and test	Application in SPSS
9	One-way ANOVA, two-way ANOVA	Application in SPSS
10	Chi-square distribution and test	Application in SPSS
11	Chi-square distribution and test	Application in SPSS
12	Nonparametric tests	Application in SPSS
13	Nonparametric tests	Application in SPSS
14	Regression Analysis Correlation Analysis	Application in SPSS
22	Textbooks, References and/or Other Materials:	Dawson B., Trapp RG. "Basic&Clinical Biostatistics" . McGraw-Hill International Ed. Third Ed. (2000)
23	Assesment	
TERM LEARNING ACTIVITIES		WEIGHT
	NUMBE R	
Midterm Exam	0	0.00
Quiz	0	0.00
Home work-project	0	0.00
Final Exam	1	100.00
Total	1	100.00
Contribution of Term (Year) Learning Activities to Success Grade		0.00
Contribution of Final Exam to Success Grade		100.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		Measurement and evaluation are performed according to the Rules & Regulations of Bursa Uludağ University on Undergraduate Education.
24	ECTS / WORK LOAD TABLE	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	14	2.00	28.00
Self study and preperation	0	0.00	0.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	0	0.00	0.00
Others	14	5.00	70.00
Final Exams	1	30.00	30.00
Total Work Load			156.00
Total work load/ 30 hr			5.20
ECTS Credit of the Course			5.00

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	4	4	0	0	0	0	4	0	0	4	0	0	0	0	0	0
ÖK2	4	4	0	0	0	0	4	0	0	4	0	0	0	0	0	0
ÖK3	4	4	0	0	0	0	4	0	0	4	0	0	0	0	0	0
ÖK4	4	4	0	0	0	0	4	0	0	4	0	0	0	0	0	0
ÖK5	4	4	0	0	0	0	4	0	0	4	0	0	0	0	0	0
ÖK6	4	4	0	0	0	0	4	0	0	4	0	0	0	0	0	0
ÖK7	4	4	0	0	0	0	4	0	0	4	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low		2 low		3 Medium		4 High		5 Very High							