

CATEGORICAL DATA ANALYSIS

1	Course Title:	CATEGORICAL DATA ANALYSIS	
2	Course Code:	TBY 5010	
3	Type of Course:	Optional	
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):	0.00	
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. İ. ERCAN Yrd. Doç. Dr. Bülent EDİZ	
16	Contact information of the Course Coordinator:	Prof. Dr. İ. ERCAN 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:	To provide the learning of basic and advanced concepts of the categorical data analysis and performing related analysis.	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Learning the basic and advanced concepts of the categorical data analysis and performing related analysis.
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21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	Probability		
2	Discrete Probability Distributions		
3	Discrete Probability Distributions		
4	Epidemiologic Risk Criteria		
5	Epidemiologic Risk Criteria		

6	Epidemiologic Risk Criteria	
7	Epidemiologic Risk Criteria	
8	Criteria of Diagnostic Tests	
9	Criteria of Diagnostic Tests	
10	Criteria of Diagnostic Tests	
11	Statistical Tests by Contingency Tables	
12	Statistical Tests by Contingency Tables	
13	Regression Analysis for Categorical Data	
14	Regression Analysis for Categorical Data	

22	Textbooks, References and/or Other Materials:	1- Miller I& Miller M, John E. Freund's Mathematical Statistics, 6th edition, 2001. 2- Saraçbaşı O. Tanı Testlerinde Kullanılan Ölçütler ve Epidemiyolojik Risk Ölçütleri (Ders Notları), Hacettepe Üniversitesi, Tıp Fakültesi, Biyoistatistik Anabilim Dalı, Ankara, 1988. 3- Şenocak M. Özel Biyoistatistik, Çağlayan Kitapevi, I. Baskı, İstanbul, 1992. 4- Everitt BS. The Analysis of Contingency Tables, Institute of Psychiatry, London, 1977.
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23	Assesment
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TERM LEARNING ACTIVITIES		NUMBER	WEIGHT		
Midterm Exam		1	10	0.00	
Activities			Number	Duration (hour)	Total Work Load (hour)
Final Exam		1	10	2.00	28.00
Practicals/Labs			0	0.00	0.00
Self-study and Preparation of Learning Activities to Success Grade			0	0.00	0.00
Homeworks			0	0.00	0.00
Contribution of Final Exam to Success Grade			10	0.00	0.00
Field Studies			0	0.00	0.00
Measurements and Evaluation Techniques Used in the Course			0	0.00	0.00
Others			14	5.00	70.00
Final Exams			1	50.00	50.00
Total Work Load					148.00
Total work load/ 30 hr					4.93
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	0	4	0	0	0	0	4	0	0	0	3	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			