

SURVIVAL ANALYSIS II

1	Course Title:	SURVIVAL ANALYSIS II
2	Course Code:	TBY 5014
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:	“Survival Analysis I (TBY 5011), Analysis 1 (MAT 1001), Analysis 2 (MAT 1002), and Linear Algebra (MAT1003 and MAT 1004)” are required.
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. İLKER ERCAN
15	Course Lecturers:	Prof.Dr.İlker ERCAN Yrd.Doç.Dr.Bülent EDİZ
16	Contact information of the Course Coordinator:	Prof.Dr.İlker 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:	Teaching analysis of survival in survival data
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	Using survival analysis in the field of health studies
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	Survival Distributions	
2	Life Tables	
3	Complete Mortality Data, Estimation of Survival Function	

4	Incomplete Mortality Data, Follow-Up Studies	
5	Fitting Parametric Survival Distributions	
6	Comparison of Mortality Experiences	
7	Theory of Computing Causes: Probability Approach	
8	Theory of Computing Causes: Probability Approach	
9	Multiple Decrement Life Tables	
10	Multiple Decrement Life Tables	
11	Estimation and Testing Hypotheses in Competing Risk Analysis	
12	Estimation and Testing Hypotheses in Competing Risk Analysis	
13	Concomitant Variables in Lifetime Distributions Models	
14	Onset Distributions	

22	Textbooks, References and/or Other Materials:	Elandt-Johnson&Johnson, Survival Models and Data Analysis, Wiley Interscience Publication, 1999.
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23	Assesment	
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TERM LEARNING ACTIVITIES	NUMBE R	WEIGHT			
Midterm Exam	0	0.00			
Quiz	0	0.00			
Activites		Number	Duration (hour)	Total Work Load (hour)	
Total					
Theoretical	1	100.00		2.00	28.00
Practicals/Labs		0		0.00	0.00
Self study and preperation		0		0.00	0.00
Contribution of Final Exam to Success Grade		14		50.00	70.00
Homeworks		0		0.00	0.00
Total		100.00			
Projects	0			0.00	0.00
Field Studies		0		0.00	0.00
Course Midterm exams		0		0.00	0.00
24 ECTS / WORK LOAD TABLE					
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	4	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			