N	METHOD AND STATIS	TICS	N EXPERIMENTAL RESEARCH							
1	Course Title:	METHO	D AND STATISTICS IN EXPERIMENTAL RESEARCH							
2	Course Code:	PSI5102								
3	Type of Course:	Compuls	ory							
4	Level of Course:	Second (Cycle							
5	Year of Study:	1								
6	Semester:	2								
7	ECTS Credits Allocated:	9.00								
8	Theoretical (hour/week):	3.00								
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:	Dr. Ögr.	Üyesi HAYRİYE GÜLEÇ PAP							
15	Course Lecturers:									
16	Contact information of the Course Coordinator:	tekman@	san Gürkan Tekman man@uludag.edu.tr 1 294 1686							
17	Website:									
18	Objective of the Course:	research	should become competent about design of experimental and the use of statistical techniques especially relevant to gexperimental data							
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	To master basic concepts of experimental design							
		2	To understand threats to experimental validity and how to deal with them							
		3	To understand the fundamentals of analysis of variance							
		4	To be able to conduct and interpret within participants, between participants, and mixed analyses of variance							
		5	To be able to produce written reports of results of analyses of variance							
		6								
		7								
		8								
		9								
		10								
21	Course Content:									
100		Со	urse Content:							
	Theoretical		Practice							
1	Scientific research and obsrvation									
2	Experimental method	•								
3	Research ethics and the structure of research article	a								
4	Internal validity in experiments									

									_										
5	External validity in experiments																		
6	Stat	istica	l hypo	othesis	testi	ng													
7	Betv	veen	partic	ipants	one-	way Al	NOVA												
8	Betv	veen	partic	ipants	facto	rial AN	IOVA												
9	ANC	COVA	١																
10	10 Within participants ANOVA																		
11	Wth	in pa	rticipa	ints fa	ctoria	ANO\	/A												
12	Mixe	ed fac	ctorial	ANO	/A														
13	MAN	NOVA	\ with	multip	le de	pender	nt vari	ables											
14	Pos ^a		tests	of MA	NOV	A, disci	rimina	nt											
Textbooks, References and/or Other Materials:							Field, A. (2014). Discovering statistics using SPSS, 4th ed. London: Sage. Kalaycı, Ş., derleyen (2010). SPSS uygulamalı çok değişkenli istatistik teknikleri, 5. baskı. Ankara: Asil Yayın Dağıtım Ltd. Kantowitz, B. H., Roediger, H. L. III, & Elmes, D. G. (2013). Deneysel Psikoloji, 9. basım (çev. N. Er ve Y. A. Duyan). Ankara: Nobel.												
23	Ass	esme	ent																
TERM L	LEAR	NING	ACTI	VITIES			N R	IUMBE	W	WEIGHT									
Midtern	n Exa	am					0		0.0	0.00									
Activit	tes									Number Duration (hour) Total Work Load (hour									
Elliai E. Theore	xam						П		40	14			3 00			42 00			
Practica	als/L	abs								0			0.00			0.00			
Selfcels			emi (tion	_ cam	ıng Acı	iivities	10	79	14			10.00)		140.00			
Homew										3			15.00)		45.00			
Project	is									0 00			0.00		0.00				
Field Studies										0			0.00		0.00				
west etailed Vield Street Vield Vield								7	0				0.00						
Others									0			0.00		0.00					
Final Exams									1			50.00)		50.00				
Total Work Load															277.00				
Total w	ork l	oad/	30 hr													9.23			
ECTS (Cred	it of tl	he Co	urse												9.00			
25				CON	TRIE	UTIO	N O				OUTC	OME	S TO I	PROC	SRAM	ME			
		PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16		
ÖK1		0	0	3	5	5	3	0	0	0	3	0	0	0	0	0	0		

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	0	0	3	5	5	3	0	0	0	3	0	0	0	0	0	0
ÖK2	0	0	3	5	5	3	0	0	0	3	0	0	0	0	0	0
ÖK3	0	0	3	5	5	3	0	0	0	3	0	0	0	0	0	0
ÖK4	0	0	3	5	5	3	0	0	0	3	0	0	0	0	0	0

ÖK5	0	0	3	5	5	3	0	0	0	3	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications Contrib 1 very low 2 low 3 Medium 4 High 5 Very High ution Level:																