	ADVANCED ANALY	SIS TE	CHNIQUES IN EDUCATIONAL								
		RES	SEARCH								
1	Course Title: ADVANCED ANALYSIS TECHNIQUES IN EDUCATIONAL RESEARCH										
2	Course Code:	OKU61	20								
3	Type of Course:	Optiona	1								
4	Level of Course:	Third C	ycle								
5	Year of Study:	1									
6	Semester:	2									
7	ECTS Credits Allocated:	4.00									
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:	Doç. Dr	. MERAL TANER DERMAN								
15	Course Lecturers:	-									
16	Contact information of the Course Coordinator:	mtaner 0224 29 Adres: E	Bursa Uludağ Üniversitesi Eğitim Fakültesi Temel Eğitim Görükle Yerleşkesi								
17	Website:										
18	Objective of the Course:		The aim of the course is to demonstrate the application of advanced quantitative research techniques.								
		quantita	tive research techniques.								
19	Contribution of the Course to Professional Development:	Student quantita	tive research techniques. s taking this course will be able to apply advanced tive data analysis techniques using statistical programs SPSS and AMOS.								
19 20		Student quantita	s taking this course will be able to apply advanced tive data analysis techniques using statistical programs								
	Professional Development:	Student quantita	s taking this course will be able to apply advanced tive data analysis techniques using statistical programs								
	Professional Development:	Student quantita such as 1 2	s taking this course will be able to apply advanced tive data analysis techniques using statistical programs SPSS and AMOS. To be able to have information about computer programs								
	Professional Development:	Student quantita such as 1 2 3	 s taking this course will be able to apply advanced tive data analysis techniques using statistical programs SPSS and AMOS. To be able to have information about computer programs for statistical analysis Ability to organize the collected data using the appropriate data collection method To be able to recognize parametric and nonparametric tests 								
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20	Professional Development: Learning Outcomes:	Student quantita such as 1 2 3 4 5 6 7 8	 s taking this course will be able to apply advanced tive data analysis techniques using statistical programs SPSS and AMOS. To be able to have information about computer programs for statistical analysis Ability to organize the collected data using the appropriate data collection method To be able to recognize parametric and nonparametric tests Ability to test data using appropriate advanced statistical analysis Tabulating the values obtained as a result of data analysis To be able to interpret the values obtained as a result of data analysis 								
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20	Professional Development: Learning Outcomes:	Student quantita such as 1 2 3 4 5 6 7 8 9 10	s taking this course will be able to apply advanced tive data analysis techniques using statistical programs SPSS and AMOS. To be able to have information about computer programs for statistical analysis Ability to organize the collected data using the appropriate data collection method To be able to recognize parametric and nonparametric tests Ability to test data using appropriate advanced statistical analysis Tabulating the values obtained as a result of data analysis To be able to interpret the values obtained as a result of data analysis Ability to report analysis results appropriately								

2	Outli	ier Aı	nalysi	s, Data	a mini	ing												
3			ory fac alysis	tor an	alysis	and co	onfirm	natory										
4	Strue	uctural equation modeling																
5	Logi	gistic Regression Analysis																
6	Hiera	erarchical Regression Analysis																
7	Multi	iple F	Regre	ssion	Analy	sis												
8			Regre Codin		Analy	sis (Mo	odel E	rrors 8	L									
9		-Way NOV		iple Va	arianc	e Analy	ysis											
10	Fact	orial	MAN	AVC														
11	Multi	Iltiple Covariance Analysis (MANCOVA)																
12			metric ficient		bility A	Analysi	s with	SPSS	\$									
13	Tran		on res	ults nalysis	S													
14	Exar	ninat	tion of	^f samp	le the	eses an	nd arti	cles										
22		book erials		ferenc	es an	d/or Ot	ther		R		h Proce					n Scienti Ankara: F		
Activit	Activites									Numt				Duration (hour) Total Work Load (hour)				
Theore	tical								K	aragoz atistica	, Y. (20 al Analy	119). SF /sis An		and Al	VIOS 2 ublishir		t i	
Practic	Practicals/Labs									Statistical Analysis, Ankara: N 0 0.00					0.00			
Self stu	dy ar	nd pr	epera	ition					D	Dikeyeksen Publishing.				6.00			84.00	
Homew	vorks									1				7.00			7.00	
PERINCE	EAR	NING	ACTI	VITIES	;		Ν	IUMBE	W	М ендинт						0.00		
Field S										0						0.00		
Midterr	n exa	ms												0.00				
Others										0				0.00			0.00	
Final E	e work-project								4	100			1.00			1.00		
Total V	otal Work Load															120.00		
Total w	ial work load/ 30 hr								10							4.00		
ECTS	Credit	t of th	ne Co	urse												4.00		
Contribution of Final Exam to Success Grade							60	60.00										
Total Measurement and Evaluation Techniques Used in the									100.00									
Measu Course		nt an	d Eva	luatio	n Tecl	hnique	s Use	d in th	e H	omewo	ork and	final ex	am					
24	EC	rs /	WO	RK L	OAD	TAB	LE											
25				CON	TRIB	UTIO	N O				OUTC ATIO	COME: NS	S TO	PROC	GRAM	ME		
	I	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ	B PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16	
ÖK1	Ę	5	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	

ÖK2	5	5	1	1	1	1	1	0	0	0	0	0	0	0	0	0
ÖK3	5	5	1	1	1	1	1	0	0	0	0	0	0	0	0	0
ÖK4	1	5	1	1	1	1	1	0	0	0	0	0	0	0	0	0
ÖK5	1	5	1	5	1	1	1	0	0	0	0	0	0	0	0	0
ÖK6	1	1	5	5	5	1	1	0	0	0	0	0	0	0	0	0
ÖK7	1	5	1	5	1	1	1	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:			2 low			3 Medium			4 High			5 Very High				