	STAT	ristic	AL METHODS						
1	Course Title:	STATIST	FICAL METHODS						
2	Course Code:	GMD140	02						
3	Type of Course:	Compuls	sory						
4	Level of Course:	First Cyc	le						
5	Year of Study:	1							
6	Semester:	2							
7	ECTS Credits Allocated:	5.00							
8	Theoretical (hour/week):	1.00							
9	Practice (hour/week):	2.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:	NONE							
12	Language:	Turkish							
13	Mode of Delivery:	Face to f	face						
14	Course Coordinator:	Prof. Dr.	CENGİZ ELMACI						
15	Course Lecturers:	Prof.Dr.Cengiz ELMACI Prof.Dr.Abdurrahim Tanju GÖKSOY							
16	Contact information of the Course Coordinator:	elmaci@ U.Ü. Zira	uludag.edu.tr, 224 2941554 aat Fakültesi Zootekni Bölümü, Bursa						
17	Website:								
18	Objective of the Course:		wledge basic statistical principals used in food and biology their samples						
19	Contribution of the Course to Professional Development:		•						
20	Learning Outcomes:								
		1	Having the ability of forming the hypotheses for the trials						
		2	Ability to test the hypotheses						
		3	Planning of the experiments						
		4	Ability to appreciate the measurement and data collection methods						
		5	Being able to apply the suitable statistically analyses for data						
		6	Knows evaluation and interpretation of results						
		7	Ability to earn skill on objective deciding						
		8	Being able to apply the basic statistical technics and methods						
		9							
		10							
21	Course Content:								
		Co	ourse Content:						
	Theoretical		Practice						
1	Introduction to statistics; some defin population and sample	itions,	Solving problems about population and sample						
2	Data and summarization of the data		Solving problems about distribution of frequency						
3	Descriptive statistics		Solving problems about mean, variance, Standard deviation, Standard error, median and mode						

4	Linear c	orrelat	ion an	d regr	ression			So	Solving problems about linear correlation and regression									
5	Test, ind	est, incident and probability								Solving problems about test and probability								
6		iscrete probability distributions (poisson and nomial distributions)								Solving problems about poisson and binomial distributions								
7		Continuous probability distribution (Normal listribution)								Overview; Mid-term Exam								
8	Continu distribut		obabili	ty dist	ributior	n (Nor	mal	So	Solving problems about Normal distribution									
9	Samplin	g distr	ibution	S				So	lving p	roblem	ns abou	t sampl	ing dis	tributior	าร			
10	Test dis	tributio	ns; z a	and t t	ests			So	lving p	roblem	ns abou	t z and	t tests					
11	Test dis	tributio	ns; F	test a	nd Chi	-squa	re test	i So	lving p	roblem	ns abou	t F and	Chi-so	quare te	sts			
12	Statistic populati			; Poin	t estim	ation	of	So	lving p	oroblem	ns abou	t statist	ical es	timatior	l			
13	Estimati confider			aram	eters a	nd		So	lving p	oroblem	ns abou	t confid	ence i	nterval				
14	Testing	hypoth	iesis					So	lving p	roblem	ns abou	t testing	g hypo	thesis				
22	Textboo	ks. Re	ferenc	es an	d/or Ot	ther		İsta	atistik.	Z. Met	tin Tura	n. U.Ü.	Z.F. D	ers Not	ları,No: ˈ	78.		
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Practica <u>Reff stu</u> Homew	als/Labs idy and r work-pro vorks	repera	ition			0		1 0.0 1	14 12			2.00 3.00 2.00			28.00 42.00 24.00			
Practica <u>Reff_stu</u> Homew Projects	als/Labs dy and r Work-pro vorks s		ation						14 12 0.00			2.00 3.00 2.00 0.00			28.00 42.00 24.00 0.00			
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ÖK8	4	0	0	5	5	0	0	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 Hig	h	5 Very High				