

STATISTICAL QUALITY APPLICATIONS

1	Course Title:	STATISTICAL QUALITY APPLICATIONS	
2	Course Code:	EKO3206	
3	Type of Course:	Optional	
4	Level of Course:	First Cycle	
5	Year of Study:	3	
6	Semester:	6	
7	ECTS Credits Allocated:	5.00	
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 face	
14	Course Coordinator:	Doç. Dr. BERNA AYDIN	
15	Course Lecturers:	Öğr. Gör.Dr. Z. Berna Aydın	
16	Contact information of the Course Coordinator:	berna@uludag.edu.tr 224 29 41119 Uludağ Üniversitesi, İktisadi ve İdari Bilimler Fakültesi Uludağ Üniversitesi, İktisadi ve İdari Bilimler Fakültesi, Ekonometri Bölümü, 16059, Görükle/Bursa.	
17	Website:		
18	Objective of the Course:	To have knowledge about new and advanced statistical methods used to improve the quality of the learners	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Learning acceptance sample for measurable properties
		2	Be able to create and interpret cumulative and Ewma control schemes
		3	To know job analysis and activity sample
		4	To have knowledge about general and special scales and types of marketing researches in marketing researches
		5	To know continuous sampling and continuous research methods
		6	To learn quality assurance systems, know and apply Taguchi method
		7	Having knowledge about total quality management and quality circles, knowing the method of comparison
		8	Ability to know and use error modes and effects analysis, measurement systems analysis and quality function migration techniques
		9	Knowing the canoe model, Having knowledge about Kaizen continuous development philosophy and quality of service, Learning quality control in criminal proceedings
		10	Having knowledge about the six sigma technique, Know the analytic hierarchy process
21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	

1	Sample of acceptance for measurable attributes	
2	Cumulative control schemes - Ewma control schemes and spss implementation	
3	Business analysis and activity sampling	
4	General and specific scales in marketing research - Types of marketing research	
5	Continuous sampling methods - Continuous sampling methods	
6	Quality assurance systems - Taguchi method	
7	Total quality management, Quality circles Benchmarking	
8	Analysis of error modes and effects	
9	Analysis of measurement systems	
10	Quality function migration	
11	Canoe model	
12	Kaizen continuous development philosophy - Quality of service - Quality control in criminal proceedings	
13	Six sigma and spss implementation	
14	Analytic hierarchy process and spss implementation	

24	ECTS / WORK LOAD TABLE
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[illegible]

ÖK3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK10	0	0	0	0	0	0	0	0	0	0	0	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			