



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Statistical Methodology and Probability							
Course Code		İŞLE505		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	5	Workload	127 (<i>Hours</i>)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		The course will increase students' knowledge and present their applications include statistical issues.							
Course Content		Issues related to statistical methodology, and possibly treatment.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion					
Name of Lecturer(s)		Lec. Esin SAYIN							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	Burhan Çil, İstatistik, DetayYayıncılık,Ankara- 2008
2	Gavcar Erdoğan, İstatistik Yöntemler, Gazi Kitabevi, Ankara-2000.
3	Yazıcıoğlu Yahşi, Erdoğan Simge, SPSS Uygulamalı Bilimsel Araştırma Yöntemleri, Detay Yayıncılık, Ankara-2007.

Week	Weekly Detailed Course Contents	
1	Theoretical	Measures of central tendency and dispersion
	Preparation Work	Burhan Çil, İstatistik, DetayYayıncılık,Ankara- 2008.
2	Theoretical	Probability
	Preparation Work	Burhan Çil, İstatistik, DetayYayıncılık,Ankara- 2008
3	Theoretical	The normal distribution
	Preparation Work	Burhan Çil, İstatistik, DetayYayıncılık,Ankara- 2008
4	Theoretical	The standard normal distribution
	Preparation Work	Burhan Çil, İstatistik, DetayYayıncılık,Ankara- 2008
5	Theoretical	Hypothesis testing
	Preparation Work	Burhan Çil, İstatistik, DetayYayıncılık,Ankara- 2008
6	Theoretical	Continuous distribution
	Preparation Work	Burhan Çil, İstatistik, DetayYayıncılık,Ankara- 2008
7	Theoretical	Discrete distribution
	Preparation Work	Burhan Çil, İstatistik, DetayYayıncılık,Ankara- 2008
8	Intermediate Exam	Midterm Exams
9	Theoretical	Sampling
	Preparation Work	Burhan Çil, İstatistik, DetayYayıncılık,Ankara- 2008
10	Theoretical	Regression and correlation
	Preparation Work	Burhan Çil, İstatistik, DetayYayıncılık,Ankara- 2008
11	Theoretical	Chi-square test
	Preparation Work	Burhan Çil, İstatistik, DetayYayıncılık,Ankara- 2008
12	Theoretical	Time series and indexes
	Preparation Work	Burhan Çil, İstatistik, DetayYayıncılık,Ankara- 2008
13	Theoretical	Parametric and nonparametric tests
	Preparation Work	Gavcar Erdoğan, İstatistik Yöntemler, Gazi Kitabevi, Ankara-2000.
14	Theoretical	SPSS application
	Preparation Work	Yazıcıoğlu Yahşi, Erdoğan Simge, SPSS Uygulamalı Bilimsel Araştırma Yöntemleri, Detay Yayıncılık, Ankara-2007.
15	Preparation Work	Burhan Çil, İstatistik, DetayYayıncılık,Ankara- 2008
16	Final Exam	Final Exam



17	Final Exam	Final Exam
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Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	3	70
Midterm Examination	1	25	1	26
Final Examination	1	30	1	31
Total Workload (Hours)				127
[Total Workload (Hours) / 25*] = ECTS				5

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Theoretical issues to dominate the field of statistics
2	Effectively used today use the concept of the index
3	SPSS fluent knowledge of field survey
4	Improve the ability to form hypotheses
5	

Programme Outcomes (*Business Administration Master's Without Thesis*)

1	To equip the students from different academic backgrounds with the theoretical and practical information in the fundamental fields of business (i.e. Production management, marketing, accounting and finance, management and organization, and quantitative me
2	Be able to make financial analysis in micro and macro level and develop skills in the analysis of the primary and secondary markets; evaluation of the financial structure of the firms and interpretation of accounting reports and financial statements.
3	Be able to use mathematical, statistical and econometric models in the field of business develop skills for interpreting quantitative data, using data in the decision making process and be able to use statistical forecasting methods
4	To have knowledge about the management techniques, be able to assume responsibility in dealing with unforeseeable and complex problems as an individual and group member and develop leadership and communication skills.
5	Be able to understand principles of marketing, marketing research, market share estimation, market segmentation, market positioning, target markets, marketing mix and the place of marketing department in a business organization, the concept of international

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5
P1	4	5	3	3	4
P2	3	3	3	5	5
P3	5	5	2	4	3
P4	3	3	3	2	5
P5	4	3	3	3	3

