



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Decision Making and Problem Solving							
Course Code		ÖGK219		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		To examine the decision-making method and different decision-making methods							
Course Content		Definition and importance of decision-making, information characteristics and sources of decision-making process, elements of decision-making process, decision-makers and their features, features of decision-making process, decision-making methods, decision-making process, decision-making and problem solving methods							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Case Study, Individual Study, Problem Solving					
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading

1	Adair, John (2000) Decision Making and Problem Solving, (Translated by Nurdan Kalayci), Gazi Publications, Ankara.
2	mrek, M. Kemal (2003) Decision Making Techniques for Managers, Beta Printing Publishing, İstanbul.
3	Strategic Management in Business, Tahir akgemci, H. Kürşat Güleş

Week	Weekly Detailed Course Contents	
1	Theoretical	Importance of Decision Making
2	Theoretical	Qualifications and Information Sources of Knowledge in Decision Making Process
3	Theoretical	Elements of Decision Making
4	Theoretical	Decision makers and their qualifications
5	Theoretical	Characteristics of Decision Subject and Decision Types
6	Theoretical	Stages in Decision Making
7	Theoretical	Approaches in Decision Making
8	Theoretical	Decision Making and Problem Solving Methods
9	Intermediate Exam	Midterm
10	Theoretical	Karar Verme ve Problem Çözme Yöntemleri
11	Theoretical	Utility Theory
12	Theoretical	Utility Theory
13	Theoretical	Developing Options and Making Predictions in the Decision Making Process
14	Theoretical	Developing Options and Making Predictions in the Decision Making Process
15	Theoretical	Developing Options and Making Predictions in the Decision Making Process
16	Final Exam	Final Examination

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Midterm Examination	1	9	1	10



Final Examination	1	11	1	12
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Comprehend the importance of decision making
2	Learn managerial decision making techniques
3	Learn the nature of information to be used in decision making
4	learn strategic decision making
5	Learn how to solve different problems

Programme Outcomes (Machinery)

1	To be able to know general properties and usage areas of industrial materials and make selection.
2	Design of machine elements.
3	To be able to make production using machining and welding machines without machining.
4	To be able to make measurement and quality control processes with machine tools for measuring and control equipment.
5	To be able to make necessary corrections in order to determine the mistakes by using the necessary non-destructive test methods in welded parts and to eliminate these mistakes.
6	Preventive measures to prevent the occurrence of these faults by preliminarily determining the faults that will occur in the machines as statistical data and to make necessary interventions in case of breakdown.
7	They can make drawings of work pieces on CAD station and apply them on CNC looms. Ability to operate and use CAD / CAM and AUTOCAD package programs.
8	To be able to transfer engineering science and technology to practice by making calculations in the direction of scientific principles.
9	It can repair the elements in pneumatic and hydraulic systems which are indispensable elements of automatic control systems and can regulate their work.
10	The student who is trained as a machine technician during the whole program knows that industrial task definition in the field of work is error finding, problem solving, decision making, planning of functions and activities and they can be achieved by aiming to acquire these characteristics.

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

	L1	L2	L3	L4	L5
P10	1	1	1	1	1

