

YUKSEK İHTİSAS UNIVERSITY
VOCATIONAL SCHOOL OF HEALTH SERVICES

Course Title	Course Code	Program	Course Level
Quantitative Decision-Making in Health Services			Associate

Term		Teaching /Demonstration methods and Credits							
		Theoretical	Practical	Lab.	Project /Homework/ Field Work	Seminar/ Work Shop	Other	Local Credits	ECTS Credits
Fall (x)	Spring ()	2	0	0	0	0	0	2	2

Lecturer	Assistant Professor Alişan BALTACI
Language of the Course	Turkish
Type of Course	Compulsory () Elective (x)
Prerequisites of the Course	None
Aim of the Course	Teaching quantitative decision-making methods for problem-solving in health services occupation.
Content of the Course	Principal notions and theories of quantitative decision-making discipline.
Learning Outcomes (LO)	Students will learn: 1.Quantitative problem modeling, 2.Problem solving by using a software, 3.How to interpret a solved problem, 4.Using the competencies given by this course in their occupational life.
Course format	Face to face
Recommended Reading / Resources	Sayısal Karar Verme Yöntemleri, Aktaş R., Doğanay M.M., Gökmen Y., Gazibey Y., Türen U., Beta Yayıncılık.
Practice / Training	-

	Week	Topics
Course Curriculum	Week-1	Basic Notions
	Week-2	Introduction to Decision Theory
	Week-3	Quantitative Decision Models
	Week-4	Formulating the Problems
	Week-5	Quantitative Decision Methods Under Uncertain Situations
	Week-6	Probability and Probability Distribution
	Week-7	Mid-Term Exam
	Week-8	Regression Analysis
	Week-9	Correlation Analysis
	Week-10	Variance Analysis
	Week-11	Quantitative Decision-making for Project Management
	Week-12	Student Project Presentations
	Week-13	Student Project Presentations
	Week-14	Repetitions
	Week-15	Final Exam

	Percentage (%)
Mid-Term Exam	30
Quizes	
Homeworks/Term Papers	
Practical training	
Labs	
Projects/Field Works	10
Seminars/Workshops	
Final Exam	60
Other	-
Total (%)	100

