

RISK ANALYSIS

1	Course Title:	RISK ANALYSIS
2	Course Code:	EKO4211
3	Type of Course:	Optional
4	Level of Course:	First Cycle
5	Year of Study:	4
6	Semester:	7
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:	None
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:	E-mail: berna@uludag.edu.tr Tel: 0 224 294 11 19 Adres: Uludağ Üniversitesi İİBF Ekonometri Bölümü, Görükle Kampusu 16059 Nilüfer/Bursa
17	Website:	
18	Objective of the Course:	The mean of Qualitative and quantitative, Risk analysis and uncertainty, Risk analysis process: Planning, Risk analysis process: Risk consideration and risk operation, Risk models, Methods of risk analysis, The choice of risk analysis methods, conceptual framework about Probability and statistics theory, Statistical framework for Risk and uncertainty, Application of parametric probability models, Production insurance, Reliability Analysis, Risk analysis process for enterprise, Applications at enterprise and industry
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	Perception of risk concept both in qualitative and quantitative context
	2	Intellectual background to understand the Risk Analysis process
	3	Ability to analyze risk management systems
	4	Awareness of risk analysis methods
	5	Carry out Statistical framework for risk and uncertainty
	6	Implementation of Parametric probability models
	7	Carry out Reliability analysis
	8	Implementation of risk analysis in enterprise and industry
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice

1	The mean of Qualitative and quantitative, Risk analysis and uncertainty	
2	Risk analysis process: Planning	
3	Risk analysis process: Risk assessment and risk operation	
4	Risk models	
5	Risk models	
6	Methods of risk analysis	
7	Selection of risk selection methods, conceptual approaches based on probability and statistical theory	
8	Statistical framework for Risk and uncertainty	
9	Statistical framework for Risk and uncertainty	
10	Application of parametric probability models	
11	Production insurance, Reliability Analysis	
12	Risk analysis process for enterprise	
13	Implementations in Enterprise and industry	
14	Implementations in Enterprise and industry	

22	Textbooks, References and/or Other Materials:	A-Textbook: Aven,T. (2008). Risk Analysis: Assesing uncertainties beyond expected values and probabilities B-References: M. Britton, A. (2000). Risk Analysis in Financial
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Activites			Number	Duration (hour)	Total Work Load (hour)
Theoretical			14	3.00	42.00
TERM LEARNING ACTIVITIES			NUMBE	WEIGHT	
Practicals/Labs			0	0.00	0.00
Midterm Exam			1	40.00	
Self study and preperation			14	4.00	56.00
Homeworks			0	0.00	0.00
Home work-project			0	0.00	0.00
Projects			1	20.00	
Field Studies			0	0.00	0.00
Total			2	100.00	
Midterm exams			1	20.00	20.00
Others			0	0.00	0.00
Final Exams			1	32.00	32.00
Contribution of Final Exam to Success Grade			60.00		
Total Work Load					170.00
Total			100.00		
Total work load/ 30 hr					5.00
ECTS Credit of the Course					5.00

24	ECTS / WORK LOAD TABLE
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25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	3	3	3	2	3	3	3	3	2	3	3	3	0	0	0	0
ÖK2	2	3	4	3	2	4	4	3	4	4	4	4	0	0	0	0
ÖK3	3	3	3	3	3	4	4	4	3	3	4	4	0	0	0	0
ÖK4	4	4	4	4	4	4	4	4	4	4	4	4	0	0	0	0

ÖK5	4	3	2	4	3	3	4	4	3	3	3	3	0	0	0	0
ÖK6	3	3	3	3	3	3	3	3	3	3	3	3	0	0	0	0
ÖK7	4	4	3	4	3	4	4	4	4	4	4	4	0	0	0	0
ÖK8	4	4	3	3	3	3	3	4	4	4	3	3	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			