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 Qulitative 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
		9	
		10	
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:

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	4.00	56.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	20.00	20.00
Others	0	0.00	0.00
Final Exams	1	32.00	32.00
Total Work Load			170.00
Total work load/ 30 hr			5.00
ECTS Credit of the Course			5.00

TERM LEARNING ACTIVITIES	NUMBE	WEIGHT
Midterm Exam	1	40.00
Home work-project	0	0.00
Total	2	100.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00

24	**ECTS / WORK LOAD TABLE**

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**