



COURSE / MODULE / BLOCK DETAILS

ACADEMIC YEAR / SEMESTER

Offered by: Endüstri Mühendisliği			
Course Title: RISK MANAGEMENT		Course Org. Title: RISK MANAGEMENT	
Course Level: Lisans		Course Code: IND 4915	
Language of Instruction: İngilizce		Form Submitting/Renewal Date 22/08/2013	
Weekly Course Hours: 3		Course Coordinator: DOÇENT HASAN SELİM	
Theory	Application	Laboratory	National Credit: 3
3	0	0	ECTS Credit: 4



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FACULTY OF ENGINEERING OFFICE OF THE DEAN



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Offered to:	Course Status: Compulsory/Elective
Name of the Department:	
Industrial Engineering	Elective Course

Wire: 0 232 301 72 15

Fax: 0 232 301 72 10

Access: <http://www.eng.deu.edu.tr>

Address: Dokuz Eylül Üniversitesi Tınaztepe Yerleşkesi 35160 Buca/İZMİR E-mail: muhendislik@deu.edu.tr



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Instructor/s:

Wire: 0 232 301 72 15

Fax: 0 232 301 72 10

Access: <http://www.eng.deu.edu.tr>

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Course Objective:

The objective of this course is to provide students with an understanding of the concepts and methods of risk assessment and management, and to teach how to apply risk analysis and assessment in real world settings.

Learning Outcomes:

- 1 Achieve an understanding of the concepts and methods of risk assessment and management
- 2 Be able to explain enterprise risk management processes
- 3 Be able to use basic risk assessment and analysis tools
- 4 Be able to apply risk analysis and assessment in real world settings
- 5 Be able to discuss implementation issues

Learning and Teaching Strategies:

Lectures, Student presentations and Class discussions

Assessment Methods:

Name	Code	Calculation formula
Vize	VZ	
Ödev	OD	
Final	FN	
Bütünleme Notu	BUT	
BNS	BNS	$VZ * 025 + D * 025 + FN * 050$
Bütünleme Sonu Başarı Notu	BBN	$VZ * 025 + D * 025 + BUT * 050$

Further Notes about Assessment Methods:**Assessment Criteria:**



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Textbook(s)/References/Materials:

Textbooks:

? Risk Modeling, Assessment, and Management, Yacov Y. Haimes, John Wiley & Sons., 2004.

Reference Books:

? Probabilistic Risk Analysis, T. Bedford, R. Cooke, Cambridge, 2001.

? Risk Analysis, T. Aven, Wiley, 2008.

? Enterprise Risk Management, J. Lam, John Wiley & Sons., 2003.

Course Policies and Rules:

Contact Details for the Instructor:

Tel: 301 76 18, e-mail: hasan.selim@deu.edu.tr

Office Hours:

Course Outline:

Week	Topics:	Notes:
1	Introduction to Risk Concepts	
2	Risk Management	
3	Risk Management	
4	Disaster Management, Crisis Management	
5	Enterprise Risk Management	
6	Enterprise Risk Management	
7	Basic tools of risk assessment - risk assessment matrices, fault trees, event trees, simulation and statistical models, influence diagrams etc.	



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8	Basic tools of risk assessment
9	Basic tools of risk assessment
10	Midterm exam
11	Case Study and Discussion Paper Presentations
12	Case Study and Discussion Paper Presentations
13	Case Study and Discussion Paper Presentations
14	Case Study and Discussion Paper Presentations



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ECTS Table

Course Activities	Number	Duration (hour)	Total Work Load (hour)
In Class Activities			
Lectures	13	3	39

Exams

Final	1	2	2
Midterm	1	2	2

Out Class activities

Preparations before/after weekly lectures	13	1	13
Preparation for midterm exam	1	10	10
Preparation for final exam	1	10	10
Preparing presentations	1	25	25
Total Work Load (hour)			101
ECTS Credits of the Course= Total Work Load (hour) / 25			4