

EXPLOSIVES AND POST-EXPLOSION CRIME SCENE INVESTIGATION

1	Course Title:	EXPLOSIVES AND POST-EXPLOSION CRIME SCENE INVESTIGATION
2	Course Code:	ADB6109
3	Type of Course:	Optional
4	Level of Course:	Third Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	6.00
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:	Prof. Dr. NEVİN ARIKAN ÖLMEZ
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	narikan@uludag.edu.tr +90 224 29 41 731 Bursa Uludağ Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 16059 Görükle / BURSA, TÜRKİYE
17	Website:	
18	Objective of the Course:	To give technical information about explosive types, explosion types, post-explosion crime scene investigation and explosive analysis.
19	Contribution of the Course to Professional Development:	To have basic knowledge of explosion and crime scene investigation
20	Learning Outcomes:	
	1	Learns types of explosives.
	2	Learns technical information about explosion types and crime scene investigation.
	3	Patlamadan sonra olay yerinden elde edilen delillerde patlayıcı kalıntıların analizi için gerekli bilgiye sahip olur.
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	Introduction, definitions	
2	Fabricated explosives: low velocity explosives	

3	high-velocity explosives: Initiators, non-initiator secondary explosives	
4	Main fillers	
5	commercial explosives	
6	Handcrafted explosives	
7	explosion chains	
8	Types of explosion chain	
9	Effects of the explosion	
10	Injuries from blast effects	
11	Primary and secondary injuries to the body after the explosion	
12	Post-explosion crime scene investigation	
13	Evidence investigation techniques at the crime scene after the explosion	
14	Detection of explosive residues on the findings obtained from the scene after the explosion	

22	Textbooks, References and/or Other Materials:	1. Temel patlayıcı bilgileri ile patlama sonrası olay yeri incelemesi, E.Seyhan 2. Internet sources
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23	Assesment	
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TERM LEARNING ACTIVITIES		NUMBER	WEIGHT		
Activites			Number	Duration (hour)	Total Work Load (hour)
Home work project	1	20.00			
Theoretical		14		3.00	42.00
Final Exam	1	60.00			
Practicals/Labs		0		0.00	0.00
Total	5	100.00			
Self study and preperation		14		4.00	56.00
Contribution of Term (Year) Learning Activities to		40.00			
Homeworks		0		0.00	0.00
Projects		0		0.00	0.00
Contribution of Final Exam to Success Grade		60.00			
Field Studies		0		0.00	0.00
Total		100.00			
Midterm exams		1		30.00	30.00
Measurement Evaluation Techniques Used in the					
Others		0		0.00	0.00
Final Exams		1		52.00	52.00

24	ECTS / WORK LOAD TABLE	1	52.00	52.00
Total Work Load			180.00	
Total work load/ 30 hr			6.00	
ECTS Credit of the Course			6.00	

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	5	5	0	4	5	0	0	0	0	0	0	0	0	0	0	0
ÖK2	5	5	0	4	5	0	0	0	0	0	0	0	0	0	0	0
ÖK3	5	5	0	4	5	0	0	0	0	0	0	0	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

Contribution Level:	1 very low	2 low	3 Medium	4 High	5 Very High
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