

	Department	Geography and Environment	
	Subject	Health, Safety and Environment (HSE) (ENV 305) - 3 credits	
	Term	Fall 2020	
	Instructor	Tural Maharramov MSc, Ph.D. student <a href="mailto:tural.mhr@gmail.com">tural.mhr@gmail.com</a> <a href="mailto:tural.maharramov@khazar.org">tural.maharramov@khazar.org</a>	
	Classroom/hours	Thursday, 18:40	
Prerequisites	None		
Language	English		
Compulsory/Elective	Compulsory		
Textbooks and course materials	<b>Core textbook:</b> 1. NEBOSH (National Examination Board in Occupational Safety and Health) International General Certificate handbooks: UNIT IGC1: MANAGEMENT OF INTERNATIONAL HEALTH AND SAFETY UNIT GC2: CONTROLLING WORKPLACE HAZARDS <b>Supplementary sources:</b> 2. Occupational health- A manual for primary health care workers 3. L. Lee Harrison. (2008) Environmental, Health and Safety Auditing Handbook (Hardcover)		
Teaching methods	Case analysis		x
	Group discussion		x
	Lab		
	Lecture		x
	Course project		
	Problem solving		x
	Others		x
Evaluation criteria	Methods	Date/deadlines	Percentage (%)
	Midterm Exam	05.11.2020 Both open-Ended and closed-Ended questions	30
	Case studies		
	Attendance/Activity	Attendance (5%) and Activity (5%)	10
	Quizzes	Two quizzes during the semester with both open-Ended and Closed-Ended questions dividing the total mark by two 1) 22.10.2020 2) 10.12.2020	10
	Project		
	Assignment	17.12.2020	10
	Laboratory Work		
	Final Exam		40
	Reading task ( review paper)		
Total		100	
Course objectives	The objective of the module is to teach the students about all type of hazards including anthropogenic and natural hazards existing at universities, home and workplaces. The module covers hazards identification, analysis methods, control methods, usage of safety equipment and other necessary theoretical and practical skills. The hazards response measures based on local and international standards will be delivered at the HSE classes by case studies, team works, video materials, technical means, presentations and facilitation.		
Course outline	The main aim of this module is to prepare students for their future professional career		

and instill safe working behaviours in them.

Tentative Schedule

Week	Date	Topics	Textbook/Assignments
1	17.09.2020	Introduction to HSE Basic concepts	Unit 1 Element 1
2	24.09.2020	Foundation in health and safety Local and international HSE legislations and standards	Unit 1 Element 1
3	01.10.2020	Health and safety management systems-PLAN Health and safety management systems-DO (Part 1)	Unit 1 Element 2 Element 3
4	08.10.2020	Health and safety management systems-DO (Part 2)	Unit 1 Element 3
5	15.10.2020	Health and safety management systems-CHECK	Unit 1 Element 4
6	22.10.2020	Health and safety management systems-ACT	Unit 1 Element 5
7	29.10.2020	Workplace hazards and risk control	Unit 2 Element 1
8	<b>05.11.2020</b>	<b>Midterm Exam</b>	
9	12.11.2020	Transport hazards and risk control	Unit 2 Element 2
10	19.11.2020	Musculoskeletal hazards and risk control	Unit 2 Element 3
11	26.11.2020	Work equipment hazards and risk control	Unit 2 Element 4
12	03.12.2020	Electrical safety	Unit 2 Element 5
13	10.12.2020	Fire safety	Unit 2 Element 6
14	17.12.2020	Chemical and biological health hazards and risk control Environmental hazards	Unit 2 Element 7
15	24.12.2020	Physical and psychological health hazards and risk control Hazard control methods	Unit 2 Element 8
		<b>Final exam</b>	