

TOROS ÜNİVERSİTESİ

Vocational School
Occupational Health And Safety

Course Information

PHYSICAL RISK FACTORS					
Code	Semester	Theoretical	Practice	National Credit	ECTS Credit
		Hour / Week			
ISG108	Spring	3	0	3	5

Prerequisites and co-requisites	
Language of instruction	Turkish
Type	Required
Level of Course	Associate
Lecturer	Lec. İbrahim YÜCESOY
Mode of Delivery	Face to Face
Suggested Subject	
Professional practise (internship)	None
Objectives of the Course	To learn the physical factors affecting working environment at work and, to evaluate these factors in terms of occupational health and safety
Contents of the Course	Noise concept and measurement / Effect of noisy on human / Methods of protection from noisy/ Vibration concept and measurement / Effect of vibration on human / Methods of protection vibration / Concept and types of thermal comfort / Evaluation of climate in working environment / Lighting concept and properties / Good lighting conditions at work / Types and harms of radiation / Methods of protection from radiation/ High and low pressure / Methods of protection from pressure

Learning Outcomes of Course

#	Learning Outcomes
1	Recognize physical risk factors
2	Detect physical conditions that should be in an appropriate working environment
3	Establish links between occupational accidents and occupational diseases with nonconformity to physical conditions
4	They specify measures to be taken in terms of occupational health and safety

Course Syllabus

#	Subjects	Teaching Methods and Technics
1	Noise concept and measurement	lecture
2	Effect of noisy on human	lecture
3	Methods of protection from noisy	lecture
4	Vibration concept and measurement	lecture
5	Effect of vibration on human	lecture
6	Methods of protection vibration	lecture
7	Concept and types of thermal comfort	lecture
8	Midterm exam	
9	Evaluation of climate in working environment	lecture
10	Lighting concept and properties	lecture

11	Good lighting conditions at work	lecture
12	Types and harms of radiation	lecture
13	Methods of protection from radiation	lecture
14	High and low pressure	lecture
15	Methods of protection from pressure	lecture
16	Final Exam	

Course Syllabus

#	Material / Resources	Information About Resources	Reference / Recommended Resources
1	Occupational health and safety law		
2	Regulation on the protection of employees from noisy risks		
3	Regulation on the protection of employees from vibration risks		
4	Ergonomy (Alaettin SABANCI, Sarp Korkut SÜMER)		
5	Ergonomics for engineers (Fatih C. BABALIK)		
6	Academic articles		

Method of Assessment

#	Weight	Work Type	Work Title
1	40%	Mid-Term Exam	Mid-Term Exam
2	60%	Final Exam	Final Exam

Relationship between Learning Outcomes of Course and Program Outcomes

#	Learning Outcomes	Program Outcomes	Method of Assessment
1	Recognize physical risk factors	1,2,3,5,6,11,12,13	1,2
2	Detect physical conditions that should be in an appropriate working environment	1,2,3,6,11,12,13	1,2
3	Establish links between occupational accidents and occupational diseases with nonconformity to physical conditions	1,2,3,4,5,6,10,11,12,13	1,2
4	They specify measures to be taken in terms of occupational health and safety	1,2,3,5,6,11,12,13	1,2

PS. The numbers, which are shown in the column Method of Assessment, presents the methods shown in the previous table, titled as Method of Assessment.

Work Load Details

#	Type of Work	Quantity	Time (Hour)	Work Load
1	Course Duration	14	3	42
2	Course Duration Except Class (Preliminary Study, Enhancement)	14	1	14
3	Presentation and Seminar Preparation	1	4	4
4	Web Research, Library and Archival Work	1	6	6
5	Document/Information Listing	0	0	0
6	Workshop	1	8	8
7	Preparation for Midterm Exam	1	8	8
8	Midterm Exam	1	1	1
9	Quiz	1	2	2
10	Homework	1	8	8

11	Midterm Project	1	4	4
12	Midterm Exercise	1	4	4
13	Final Project	1	4	4
14	Final Exercise	1	4	4
15	Preparation for Final Exam	1	10	10
16	Final Exam	1	1	1
				120