

Arranging courses in occupational health engineering and occupational safety at the undergraduate level

**First term**

Row	Lesson Code	Name of Course	Number Of Units			Prerequisites
			theory	Practical	Workshop	
1	4512001	General Mathematics 2	3	-	-	-
2	4512003	Fluid Mechanics	2	-	-	4512001
3	4512004	Specialized physics	3	-	-	-
4	4513035 4513135	Occupational toxicology and biological monitoring	1	1	-	-
5	-	Islamic Thought 2	2	-	-	-
6	4513320 4513322	Accidents at work and emergencies	1	1	-	-
7	-	Physical education 2	-	1	-	-
8	4513032 4512132	Basics of air pollutant sampling	۲	1	-	-
9	-	History of culture and civilization of Islam and Iran	2	-	-	-
<b>Collect unit</b>			17	4		
			20			

## Second semester

Row	Lesson Code	Name of Course	Number Of Units			Prerequisites
			Theory	Practical	Workshop	
1	4512018	Technical language	2	-	-	-
2	4513211 4513201	Workplace lighting	1	1	-	4512004
3	4513223	Safety management systems	1.5	0.5	-	-
4	4513212 4513222	Analysis of air samples	1	1	-	4513132 4513032
5	4513221 4513220	Fire safety and chemicals	2	1	-	-
6	4512206	Industrial Psychology	1	-	-	-
7	4513208	Sound in the workplace	1.5	0.5	-	4512004
8	4513209	Vibration in the workplace	0.75	0.25	-	4512004
9	4513202 4513224	Biostatistics (2)	1	1	-	-
10	-	History of Islam	2	-	-	-
11	4513005	Industrial Management	1	-	-	-
Collect unit			14.75	5.25	-	
			20			

### Third semester

Row	Lesson Code	Name of Course	Number Of Units			Prerequisites
			Theory	Practical	Workshop	
1	4513310	Heat and cold stress in the workplace	1.5	0.5	-	4512004
2	-	Islamic Texts	2	-	-	-
3	4513321	Risk assessment and management	2.5	0.5	-	4513320 4513322
4	4513316	Industrial ventilation design	2	1	-	-
5	4513307	Evaluation methods in occupational ergonomics	1.5	0.5	-	-
6	452312 4512323	Industrial Drawing	1	1	-	-
7	4513324	Radiation hygiene	1.5	0.5	-	4512004
8	-	Islamic revolution and its roots	2	-	-	-
9	4513325	Occupational diseases	1	-	-	-
<b>Collect unit</b>			15	4	-	
			19			

**Fourth semester**

Row	Collect unit	Name of Course	Number Of Units			Prerequisites
			Theory	Practical	Workshop	
1	451642 4	Internship in a specific industry	-	-	4	
2		Familiarity with research methods in occupational health and safety	-	-	1	
3		Familiarity with computer and its application in occupational health and safety	-	-	0.5	
4		Practical acquaintance with workshops subject to labor law and production and service classes	-	-	1	
5		Professional ethics (familiarity with occupational health duties and responsibilities and ethical principles governing routine duties)	-	-	0.5	
6		Acquisition and promotion of effective communication skills in occupational health and safety	-	-	0.5	
7		Familiarity with GIS and its application in occupational health and safety	-	-	0.5	
<b>Collect unit</b>			-	-	8	
			8			

