

Kashan University of Medical Sciences



The Curriculum of the BSc [Degree: BSc/MSc/MD/PhD/Specialty] in occupational health engineering [Major]

Semester: 1

Course Code / Lesson No.	Course Title	Course Type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
1727011	Islamic Thought 1	-	-		2	-	-	2	-
1727002	Complementary English Language	-	-		2	-	-	2	-
1727031	Islamic Revolution		-		2	-	-	2	-
1727302	Physics 1	*	-		2	-	-	2	-
1727304	General Chemistry	*	-		2	-	-	2	-
1727305	Biochemistry and Nutrition	*	-		2	-	-	2	-
1727307	General Mathematics 1	*	-		2	-	-	2	-
1727309	Physiology and Anatomy	*	-		3	-	-	3	-
1727338	Introduction to Environmental Sciences	-	*		2	-	-	2	-
Total Credits of the Semester					19	-	-	19	-



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Semester: 2

Course Code / Lesson No.	Course Title	Course Type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
1727012	Islamic Thought 2	-	-		2	-	-	2	Islamic Thought 1
1727001	Persian the Literature	-	-		3	-	-	3	-
1727306	Analytical Chemistry	*	-		2	1	-	3	General Chemistry
1727303	Physics 2	*	-		2	-	-	2	-
1727308	General Mathematics 2	*	-		3	-	-	3	General Mathematics 1
1727317	Introduction to Industrial Process	*	-		1	1	-	2	-
1727322	The dynamics of gases and Aerosols	-	*		2	-	-	2	-
1727041	Islamic history and Civilisation	-	-		2	-	-	2	-
Total Credits of the Semester					17	2	-	19	



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Semester: 3

Course Code / Lesson No.	Course Title	Course Type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
1727022	Islamic ethics	-	-		2	-	-	2	-
1727003	English Language	-	-		3	-	-	3	Complementary English Language
1727211	Bio statistics	*	-		2	1	-	3	General Mathematics 2
1727301	Solid Mechanics	*	-		2	-	-	2	-
1727331	Ergonomics 1	-	*		2	-	-	2	Physiology and Anatomy
1727323	Principles of Contaminants air Sampling	-	*		2	1	-	3	The dynamics of gases and Aerosols
1727327	Safety at work1	-	*		2	1	-	3	Introduction to Industrial Process
1727310	First Aids	*	-		1	1	-	2	Physiology and Anatomy
Total Credits of the Semester					16	4	-	20	



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Semester: 4

Course Code / Lesson No.	Course Title	Course Type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
1727051	Introduction to Islamic sources	-	-		2	-	-	2	-
1727004	Physical exercise 1	-	-		-	1	-	1	-
1727320	Occupational heat stress	-	*		1/5	0/5	-	2	Physics 1, Physics 2
1727319	Occupational noise and vibration	-	*		2	1	-	3	Physics 1, Physics 2
1727324	Analyze and evaluate air samples	-	*		2	1	-	3	Principles of Contaminants air Sampling
1727328	Safety at work 2	-	*		2	1	-	3	Introduction to Industrial Process
1727316	Fluid Mechanics	*	-		3	-	-	3	Solid Mechanics, Physics 1, Physics 2, General Mathematics 2
1727334	Technical english language	-	*		2	-	-	2	English Language
Total Credits of the Semester					14/5	4/5	-	19	



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Semester: 5

Course Code / Lesson No.	Course Title	Course Type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
1010108	Family planning and population	-	-		2	-	-	2	-
1727329	Safety at work 3	-	*		2	1	-	3	Introduction to Industrial Process
1727333	Occupational Toxicology	-	*		2	2	-	4	General Chemistry, Biochemistry and Nutrition
1727332	Ergonomics 2	-	*		2	1	-	3	Ergonomics 1
1727321	Radiation Protection	-	*		2	1	-	3	Physics 1, Physics 2
1727325	Fundamentals of air pollution control	-	*		2	-	-	2	Analyze and evaluate air samples
1727314	Industrial Management	*	-		2	-	-	2	-
Total Credits of the Semester					14	5	-	19	



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Semester: 6

Course Code / Lesson No.	Course Title	Course Type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
۱۷۲۷۰۶۱	Culture and civilization of Islam and Iran	-	-		2	-	-	2	-
۱۷۲۷۰۰۵	Physical exercise 2	-	-		-	1	-	1	Physical exercise 1
۱۷۲۷۳۲۶	Industrial ventilation system designe	-	*		2	1	-	3	Fluid Mechanics, Fundamentals of air pollution control
۱۷۲۷۳۳۰	Risk management	-	*		2	-	-	2	Safety at work 1, Safety at work 2. Safety at work 3
۱۷۲۷۳۱۳	Industrial cartography	*	-		1	1	-	2	-
۱۷۲۷۳۱۸	Lighting system at work	-	*		1	1	-	2	Physics 1, Physics 2
۱۷۲۷۳۱۲	computer programming	*	-		1	1	-	2	-
۱۷۲۷۳۱۵	Industrial Psychology and Health Promotion	*	-		2	-	-	2	-
۱۷۲۷۳۳۶	Integrated Management Systems	-	*		2	-	-	2	-
۱۷۲۷۳۳۵	Occupational Diseases	-	*		2	-	-	2	Physiology and Anatomy
Total Credits of the Semester					15	5	-	20	



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Semester: 7

Course Code / Lesson No.	Course Title	Course Type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
1727337	Epidemiology of occupational diseases	-	*		2	-	-	2	-
1727339	Clerkship 1	-	*		-	-	8	8	All courses
Total Credits of the Semester					2		8	10	



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Semester: 8

Course Code / Lesson No.	Course Title	Course Type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
1727340	Clerkship 2	-	*		-	-	8	8	All courses
Total Credits of the Semester					-	-	8	8	