

Arranging undergraduate environmental health courses

(Old)

First term

Row	Lesson Code	Name of Course	Number Of Units			Prerequisites	Simultaneous
			theory	Practical	Workshop		
1	01	Mathematics (Calculus; Differential and Integral 1)	4	-	-	-	-
2	05	General Physics	2	1	-	-	-
3	06	General chemistry	2	1	-	-	-
4	-	Pre-university language	2	-	-	-	-
5	09	Mapping	1	1	-	-	-
6	011	Islamic Thought 1 (Origin and Resurrection)	2	-	-	-	-
7	-	Islamic ethics	2	-	-	-	-
8	8	Physical education (1)	-	1	-	-	-
number of units			15	4	-	-	-
			19				

Second semester

Row	Lesson Code	Name of Course	Number Of Units			Prerequisites	Simultaneous
			theory	Practical	Workshop		
1	02	Mathematics (Calculus; Differential and Integral 2)	3	-	-	01	-
2	07	Pathobiology	1	1	-	-	-
3	6	Persian the literature	3	-	-	-	-
4	10	Biostatistics	2	-	-	-	-
5	04	Computer and its application	1	1	-	-	-
6	7	General English 1	3	-	-	Advance language	-
7	012	Islamic Thought 2 (Prophecy and Imamate)	2	-	-	011	-
8	08	Principles of epidemiology	2	-	-	-	-
number of units			17	2	-	-	-

Third semester

Row	Lesson Code	Name of Course	Number Of Units			Prerequisites	Simultaneous
			theory	Practical	Workshop		
1	03	Differential equations	3	-	-	02	02
2	29	Food hygiene	1	1	-	07-08	-
3	38	Surface and groundwater hydrology	2	-	-	-	-
4	26	Technical drawing and drawing	1	-	1	04-09	-
5	34	Environmental disinfection	1	-	-	05-06-07	-
6	28	Municipal and industrial solid waste	2	1	-	07-08	-
7	9	Physical education (2)	-	1	-	8	-
8	19	Microbiology of the environment	1	1	-	07	-
9	20	Environmental chemistry	1	1	-	06	-
number of units			12	5	1	-	-
			18				

Fourth semester

Row	Lesson Code	Name of Course	Number Of Units			Prerequisites	Simultaneous
			theory	Practical	Workshop		
1	11	Static and strength of materials	3	-	-	03-02-01	-
2	13	Principles of thermodynamics and heat transfer	2	-	-	03-02-01	-
3	37	Principles of health service management	1	-	-	-	-
4	15	Specialized language	2	-	-	-	-
5	14	Fluid Mechanics	2	-	-	01-02-03-05	-
6	35	Environmental health management in emergencies	1	-	-	-	-
7	-	Islamic Revolution of Iran	2	-	-	-	-
8	-	Islamic history and civilization	2	-	-	-	-
9	40	Water quality management	2	-	-	-	-
10	42	Environmental laws and regulations and environmental health	1	-	-	-	-
number of units			18	-	-	-	-
			18				

Fifth semester:

Row	Lesson Code	Name of Course	Number Of Units			Prerequisites	Simultaneous
			theory	Practical	Workshop		
1	18	Radiation hygiene and protection	1	1	-	05	-
2	30	Hydraulic	2	-	-	14	-
3	12	Soil mechanics	2	-	-	11	-
4	17	Processes and operations in environmental health	2	-	-	05-06-19-20	-
5	16	Air pollution	2	1	-	13-14	-
6	33	General occupational safety and health	2	-	-	05-06	-
7	36	Safety of use of chemicals and toxins	1	-	-	06-20	-
8	051	Thematic Commentary of the Quran	2	-	-	-	-
9	10	Population and family knowledge	2	-	-	-	-
number of units			16	2	-	-	-
			18				

Sixth semester

Row	Lesson Code	Name of Course	Number Of Units			Prerequisites	Simultaneous
			theory	Practical	Workshop		
1	23	Water refinery	2	-	-	17-19-20	-
2	21	Water transmission and distribution systems	1	1	-	14-30	-
3	35	Wastewater treatment	2	-	-	17-19-20	-
4	41	Housing and public places hygiene	1	-	-	06-07	-
5	27	Methods of combating carriers	2	-	-	30-07	-
6	24	Engineering Economics	2	-	-	-	-
7	22	Sewage and surface water collection systems	1	1	-	14-30	-
8	41	Application of biotechnology in environmental health	1	-	-	19-20	-
9	47	Toxicology	2	-	-	06-20-33-36	-
		number of units	16	2	-	-	-

Seventh semester:

Row	Lesson Code	Name of Course	Number Of Units				Prerequisites	Simultaneous
			theory	Practical	Workshop	the internship		
1	48	Industrial wastewater	2	-	-	-	17-19-20-25	-
2	39	Familiarity with modeling in environmental health systems	2	-	-	-	-	-
3	32	Operation and maintenance of water and sewage facilities	-	2	-	-	21-22-23-25	-
4	43	Project	-	-	1	-	-	-
5	31	Application of pump motor in water and sewage facilities	1	-	-	-	-	-
6	51	Internship in the field	-	-	-	4	-	-
		number of units	5	2	1	4	-	-

Eighth semester:

Row	Lesson Code	Name of Course	Number Of Units				Prerequisites	Simultaneous
			theory	Practical	Workshop	the internship		
1	51	Internship in the field	-	-	-	12	last semester	-
		number of units	-	-	-	12	-	-