<p align="center">**In the Name of God**</p>

<p align="center">**Islamic Republic of Iran**
Ministry of Health and Medical Education
Deputy for Education</p>

<p align="center"># Public Health in Nutrition
Degree: Master of Science (MSc)</p>

Total Course Credits

The course credits totals 32 including:

- The core credits: 22
- The non-core credits: 4
- Writing dissertation: 6

Program Description

Safe and sufficient food has been known as a vitally important determinant of maintaining and improving health status in individual and society. Addition to meeting the nutritional requirements, food should be consistent with the socio-economic and cultural conditions. These challenges have led to a growing demand for trained public health nutritionists to work in a range of contexts to approach this aim. This course will give graduate the specialist scientific knowledge and practical skills to take an active role in public health promotion considering social needs and possibilities and preserve human and social values. Training in statistics, epidemiology, research methods, nutritional assessment and program design will enhance graduate professional skills and competencies consistent with high philosophy for providing globally skills.

Definition

The field of Public Health in Nutrition is a branch of the medical sciences integrated with biological, health and nutrition sciences that proceed to public health promotion based on the nutritional science and considering physical, socio-economic and cultural factors whose M.Sc. graduates will be able to continuing learn more at higher levels.

Aim

The goals of the MSc in Public Health in Nutrition program are to have trained professionals who can work efficiently in solving health and nutritional problems in public health through researches, short-term advanced training, and consultation and specialized services in the field of public health.

Admission Requirements

The following can apply:

- Bachelor's degree in Nutrition, Dietetics, Food Industry, Public Health, Midwifery, Nursing and other related fields, or a bachelor's degree in Medical Sciences, Biology (Animal, Cellular-Molecular and Microbiology), agricultural Engineering (Food industry and animal husbandry), natural resources engineering, general practitioner Veterinary.

Expected Competencies at the End of the Program

General Competencies*

Specific Competencies and Skills

At the end of the program learners will be competent in the following skills:

- An understanding of statistical methods and bio-informatics, in the design of nutrition research.
- An ability to evaluate research reports; and to review data for synthesis in scientific peer presentations
- Ability to work in a team, in either an academic setting or in industrial settings.
- Ability to undertake supervised research activities.
- Ability to critically review literature and provide scientific advice.
- Occasionally obtain a position within the organization when relevant openings are available upon graduation.

Educational Strategies, Methods and Techniques*

Student Assessment (Methods and Types)

1. Methods of the assessment
   Residents will be evaluated by the following methods:
   Written; verbal; OSLE; Logbook-based assessment
2. Types of the assessment
   Periodic, comprehensive (final); monitoring the progress and completion of the thesis

Ethical Considerations*

*Note: The related document(s) can be found at http://hcmep.behdasht.gov.ir/.

Tables of the Courses

Table A. Compensatory Courses in the Public Health in Nutrition M.Sc. *

Code of the course	Title of the course	Number of Credits			Total hours of the course			Prerequisite or concurrent courses
		Theoretical	Practical	Total	Theoretical	Practical	Total	
01	Basic Nutrition 1	3	-	3	51	-	51	
02	Basic Nutrition 2	3	-	3	51	-	51	
03	Basic Biochemistry	2	2	4	34	68	102	
04	Biostatistics	3	-	3	51	-	51	
05	Nutritional Physiology	3	-	3	51	-	51	
06	Epidemiology of Diseases	2	-	2	34	-	34	
07	Nutrition Services in the Health Care System	1	-	1	17	-	17	
08	Food Hygiene and Poisoning	2	-	2	34	-	34	
09	Medical Information Systems**	0.5	0.5	1	9	17	26	
	Total	22						

* Students should earn total or some of the course credits (Table A) as specified by the Department of Education and approved by the Postgraduate Education Council

** All students should earn the course of Medical Information Systems as Prerequisite or concurrent courses
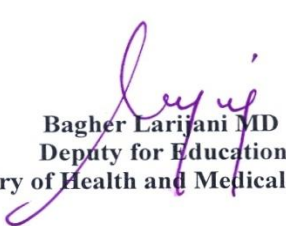
Table B. Core Courses in the Public Health in Nutrition M.Sc.

Code of the course	Title of the course	Number of Credits			Total hours of the course			Prerequisite or concurrent courses
		Theoretical	Practical	Total	Theoretical	Practical	Total	
10	Biostatistical Methods I	3	-	3	51	-	51	04
11	Advanced Nutrition	3	-	3	51	-	51	01,02,03.05
12	Nutritional Epidemiology	2	-	2	34	-	34	01,02,06
13	Community Nutrition	2	-	2	34	-	34	07,11
14	Community Nutrition Assessment	2	1	3	17	68	85	12
15	Nutrition Education and Counseling	2	-	2	34	-	34	11
16	Food Safety	1	-	1	17	-	17	08
17	Health Sciences Research Methodology in Nutrition	2	-	2	34	-	34	10
18	Seminar	2	-	2	34	-	34	11
19	Community Nutrition Programmes	1	-	1	17	-	17	13
20	Internship	-	1	1	-	51	51	14
21	DISSERTATION	-	-	6	-	-	-	
	Total	28						

Table C. Non-Core Courses in the Public Health in Nutrition M.Sc.

Code of the course	Title of the course	Number of Credits			Total hours of the course			Prerequisite or concurrent courses
		Theoretical	Practical	Total	Theoretical	Practical	Total	
22	Current Topics in Nutrition	2	-	2	34	-	34	-
23	Advanced Nutritional Terminology	2	-	2	34	-	34	-
24	Computer Application in Nutrition and Health Surveys	-	2	2	-	68	68	-
25	Advanced Biochemistry	2	-	2	34	-	34	03
26	Biostatistical Methods II	2	-	2	34	-	34	10
27	Principles of health services	2	-	2	34	-	34	-
	Total	12						

Students should choose and earn 4 non-core courses.

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