

In the name of God

**Islamic Republic of Iran
Ministry of Health and Medical Education
Deputy Ministry for Education**

**e-Learning in medical education
Master of Science (MSc)**

Total Course Credits

- Compensatory: 10
- Core: 25
- Non-core (Electives): 10
- Thesis (MSc): 4

Program Description

Regarding the fast growing demand in medical fields for greater internationalization, more flexible and student-centered training programs with multi-professional elements are determined to commence a revolutionary approach to train tomorrow's health experts by using the latest advances in e-learning. Although eLearning in medical education course is the only major in its kind in the whole country, but it has a long history as a postgraduate course in most groundbreaking universities such as Athabasca University (Canada), University of Edinburg (UK), University of Maryland, University College, University of Denver. The aim of this course is to train future experts in health with advances in e-Learning.

E-Learning in medical education is a postgraduate degree (MSc.) which will give students the skills they need to plan, design and facilitate online learning opportunities for applicants in higher education, and to feed the needs of society in the area of e-learning in medical science.

To promote public health and expand the science boundaries, virtual and electronic education is playing an increasing role in medical education and training. Expanding and promoting the science of e-learning, actualizing the use of e-learning in medical education and making scientific ties with other research centers and local/international organizations are major points to achieve.

Last but not least, it should be noted that the program actualized as a blended learning (partial attending classes along with e-learning delivery). The face-to-face classes in each semester will be offered according to the course structure determined in the Department. It should be noted that all exams will be paper-based.

In general, each semester 12 to 14 units will be offered and the students should take a minimum of 6 units per term. (The Department's confirmation is needed).

Admission Requirements

All applicants should be healthy physically and mentally

They should be eligible according to I.R.I regulations for admissions to grad schools

They must comply with educational and disciplinary measures and regulations of the School.

Applicants should normally possess a doctorate degree in medicine, dentistry, Pharmacy, or a B.Sc. /M.Sc. in Management & Educational Planning, or M.Sc. in Educational Management & Environment, or M.Sc. in Educational Management.

Success in the entrance exams, interview, an acceptable resume, and recommendation letters

Note 1: the handicapped who cannot work with computer are ineligible.

*Important note: These general conditions do not necessarily exclude specific conditions of each institute or university.

Expected general and Specific Competencies at the End of the Program:

General Competencies * 

*Note: the related document(s) can be found at <http://hcmp.bedasht.gov.ir/>

Specific Competencies and Skills

At the end of the program learners will be competent in the following skills necessary to work at professional environments:

Provide professional consultation in e-content development

Implement e-Learning in various contexts in related fields

Provide consultation in instructional design to facilitate online learning in various fields

Graduates in this course will be able to take educational responsibilities, conduct research and render consulting services related to e-learning in medical education.

In **education**, the graduate may contribute not only not only to e-learning regarding the students of medical education but may help any university departments who intend to initiate e-learning courses according to their needs.

In **research**, they may help design, implement and evaluate basic and applied research in various contexts of the related field.

In **providing consulting services**, they help design and implement research using standard and ingenious methods.

Educational Strategies, Methods and Techniques*

*Note: the related document(s) can be found at <http://hcmp.bedasht.gov.ir/>.

Student Assessment

Students will be evaluated based on their assignments, Logbooks, and a summative exam at the end of each semester. There is also a comprehensive (final); yet, their progress and completion of their tasks and finally their-thesis are closely monitored.

Ethical Considerations*

*Note: the related document(s) can be found at <http://hcmp.bedasht.gov.ir/>.

Table of the Courses

Table 1: Compensatory courses



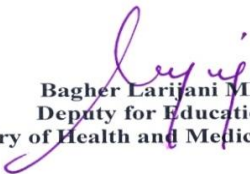
Course Code	Course	Credit			Hours			Prerequisite
		Total	Theoretical	Practical	Total	Theoretical	Practical	
1	Medical information systems	1	0.5	0.5	26	9	17	-
2	Statistics and Research Methods in Medical sciences	3	2.5	0.5	60	43	17	-
3	Methods and techniques of teaching	2	2	-	34	34	-	-
4	Advance English Language	2	2	-	34	34	-	-
5	Ethics in information technology	2	2	-	34	34	-	-
Total		10						

Table 2: Core Courses

Course Code	Course	Credit			Hours			Prerequisite
		Total	Theoretical	Practical	Total	Theoretical	Practical	
6	Introduction to E-learning	1	1	-	17	-	-	-
7	Learner supporting systems	1	1	-	17	-	17	06
8	Practical research design in E-learning	2	-	-	34	34	-	-
9	Tools and technologies in E-learning	3	1.5	1.5	77	26	51	-
10	Information security	2	2	-	34	34	-	-
11	Educational assessment in E-learning	2	2	-	34	34	-	-
12	Program assessment and quality control	2	2	-	34	34	-	11
13	Program design seminar	1	-	1	34	-	34	12,06
14	The Principles and practice of Media design	3	1	2	17	68	85	09
15	Instructional design in E-learning	2	-	2	-	34	34	-
16	Clerkship	2	2	2	-	-	102	14,09
17	Thesis	4						
Total		25						

Table 3: Non Core courses

Course Code	Course	Credit			Hours			Prerequisite
		Total	Theoretical	Practical	Total	Theoretical	Practical	
18	Learning psychology	2	2	-	34	34	-	-
19	Introduction to computer programming	2	2	-	34	34	-	-
20	Strategic planning/Information technology/ Business management	2	2	-	34	34	-	-
21	Information Communication Technology in Medical education	2	2	-	34	34	-	-
22	Business management plan	2	2	-	34	34	-	-
Total		10						

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<p> Bagher Larijani MD Deputy for Education Ministry of Health and Medical Education</p>	