

## In the Name of God

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

## History of Medical Sciences Doctor of Philosophy (PhD)

### Total Course Credits

- Core: 22
- Non-core (Electives): 4
- Dissertation: 20

### Program Description

The Study of science development and the basic causes of its progress and regression in human societies has always been of great importance to scientists, particularly in the field of medical sciences. Iran with its ancient history has had a reputation to take interest in diverse sciences, including medical sciences which have almost been neglected in the last two centuries. Therefore, it is necessary that researchers who are involved in the field of Medical Science History review this worthwhile heritage. The aim of the program is to achieve the aforementioned goals in a well-organized and predefined manner.

Ph.D. in History of Medical Sciences is the highest post-graduate degree in this field in which the students will, after acquiring necessary comprehensive knowledge on medical history and other related subjects with an emphasis on medical history in Iran and Islam, review the progress, evolution and emergence of the field. Students also evaluate the pros and cons considering the time factor, pave the path ahead by utilizing this valuable historical heritage, play their critical role by transferring their findings to future generations, researchers and those who are involved in the health care of the society. The history of medical sciences has not been thought of yet as an exclusive subject except in few particular fields and is thought of under the name of Medical Ethics. Within the last few years, a new revolution has begun through vitalizing the medical sciences' heritage by introducing the courses on traditional medicine, traditional pharmaceuticals and medical ethics. Establishment of the course History of Medical Sciences could be addressed as a complementary step towards the goals.

The main aim of the program is to study the medical heritage of mankind, developmental movements, and contribution of Iran and other Islamic societies to innovative actions to the past medical science and the effect on today's medicine. The mission of the program is to train groups of specialists in the field of medical science history, particularly in Islamic Civilization era, who are able to recognize ancient medical resources, to review them and fully contribute a collection of scientific references and data as well as research on interdisciplinary courses of different related levels.

### Admission Requirements

- Holding a Medical Doctorate, Doctor of Pharmacy, Doctor of Dentistry, Doctor of Veterinary Medicine degrees or an M.Sc. degree in History of Sciences (including all trends), History of Medical Sciences or virtual (distance courses) on Hadith Sciences, Ethics and Medical ceremonies (specifically for academics) awarded by one of the national or foreign universities approved by the Ministry of Health and Medical Education.
- Succeeding in entrance examination
- Participating in the interview
- Offering a resume
- Presenting Recommendation letters
- Meeting admission criteria based on the regulations of universities

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

## **Expected Competencies at the End of the Program**

### **Educational Strategies, Methods and Techniques\***

#### **Student Assessment (Methods and Types)**

- Formative (quizzes and midterm exam)
- Summative (final exam)
- Comprehensive exam
- Methods of assessment: oral, written, observation, clinical competence assessments
- Portfolio assessment: Log book, test results, reports, articles, certificates, promotions, etc.

### **Ethical Considerations**

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



## Tables of the Courses

**Table 1. Compensatory courses**

Code of the Course	Title of the Course	Credits	Teaching Hours		Prerequisite
			Theoretical	Practical	
A1	Overview of Islamic Culture and Civilization	2	34	-	-
A2	Commentary on Persian Medical Texts	2	34	-	-
A3	Translation of Arabic Medical Texts	2	34	-	-
A4	Research Methodology on Traditional Medicine	2	17	34	-
A5	Ethnopharmacology	2	17	34	-
A6	General History of Science	3	51	-	-
A7	Linguistics and Introduction to Past Common Languages	2	34	-	-
A8	Acquaintance with Manuscripts, Listing and Proofreading of Medical and Pharmaceutical Texts	2	17	34	-
A9	Theory of Iranian Traditional Medicine	2	34	-	-
A10	Overview of different branches of Complementary Medicine in the world	1	17	-	-
A11	Research Methodology on History of Medical Sciences	3	34	34	-
<b>Total</b>		<b>23</b>	<b>323</b>	<b>136</b>	



**Table 2. Core courses**

Code of the Course	Title of the Course	Credits	Teaching Hours		Prerequisite
			Theory	Practical	
B12	Analytical History of Medical Sciences on Major Civilizations Before Islam	2	34	-	-
B13	Analytical History of Iranian Medical Sciences (from emersion of Islam to Mogul attack)	2	34	-	B12
B14	Analytical History of Iranian Medical Sciences (from Mogul attack to 14 <sup>th</sup> century A.H.)	2	34	-	B13
B15	Analytical History of Pharmacy on 13 <sup>th</sup> century	2	34	-	B13, B14
B16	Introduction to Medical Texts, Dentistry, Kahali and Persian Traditional Pharmacy	2	17	34	-
B17	Introduction to Medical Texts, Dentistry, Kahali and Arabic Traditional Pharmacy	2	17	34	-
B18	Theoretical and Clinical Medical Sciences Educational System of Islam and Iranian Civilization	2	34	-	B12, B13
B19	Overview of History of Therapy based on Herbal, Organic and Inorganic Materials	2	34	-	-
B20	Medical Teachings from the Quran and Hadith of Prevention and Treatment of Diseases	3	51	-	-
B21	Medical Philosophy of Islamic Era	3	51	-	B9
<b>Total</b>		22	340	68	



Note: In case a student has already passed a course listed in Table2, it is necessary to pass the courses listed in Table 3 based on the decision of educational group and post-graduate committee of the university.



**Table 3. Non-core courses**

Code of the Course	Title of the Course	Credits	Teaching Hours		Prerequisite
			Theory	Practical	
C22	Morality, Jurisprudence and Medical Rights	2	34	-	-
C23	Natural Medicines (Single and Compound drugs)	2	34	-	-
C24	Philosophy of Science	2	34	-	-
C25	Fundamentals of Clinical Medicine (Traditional Medicine)	2	34	-	A9
C26	Measures of Health Preservation(Principles of Prevention)	2	34	-	A9
C27	General History of Medical Science and related Branches	2	34	-	-
C28	Introduction to Complementary and Folk Medicine	1	17	-	A9, B19
	Astronomy in Medicine	2	34	-	-
<b>Total</b>		15	255		

Note: Students are obligated to pass 4 credits from the courses in Table3, based on their dissertation topic, decision of supervisor and approval of the post-graduate committee of the university.

<p><b>Jamshid Hajati PhD</b> Secretariat of the Council for Education of Health and Basic Medical Sciences (Undergraduate and Postgraduate)</p> 	<p><b>Seyed Mansour Razavi MD</b> Secretary of the Supreme Council for Medical Sciences Planning</p> 
<p><b>Bagher Larijani MD</b> Deputy for Education Ministry of Health and Medical Education</p> 