

In the Name of God

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

Health Economics Doctor of Philosophy (PhD)

Total Course Credits

- Core: 21
- Non-core: 9
- Dissertation: 20

Program Description

The PhD in Health Economics develops an analytical framework to study different aspects of health care system with an emphasis on demand for and supply of health care services, health care production and costs, and a market analysis of health care industry. Some of the important parties that play a role in the health care industry include private health insurance firms, physicians, the pharmaceutical industry, hospital services, and the government. These are studied critically in Health Economics program. In addition, the program deals with the role of government in health care industry and various health care reforms. The course content also includes a deep understanding of supply and demand for health, agency relationship, provider induced demand, moral hazard, efficiency in health care, markets and quasi-markets in health, equity, remuneration methods and incentives, financing health systems, insurance, DRGs and HRGs, national health accounts, resource allocation, priority setting, and challenges to health economics.

The PhD in Health Economics is a standard professional program designed to provide opportunity for students to learn fundamental skills in the core areas of health care system, including health economics, management and policy with a specific focus on theoretical and empirical aspects of health economics and efficient use of limited healthcare resources. The program is specifically designed for those seeking a broader sense of knowledge and skills of health economics to improve health and healthcare in the community.

The primary objective of the course is to provide students with a thorough overview of selected topics in the field of health economics; and to familiarize graduate students with the current knowledge and work in the field of health economics with the ultimate aim of preparing them for serious research in health economics.

Admission Requirements

- Having a master's degree (MSc) in Health Economics
- Meeting admission criteria based on regulations of universities
- Being eligible for entering the program

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:

- Understanding and describing health systems goals and functions and the concept, importance and implication of health economics in healthcare setting
- Diagnosing, investigating and prioritizing healthcare problems and solutions
- Designing and developing research projects to add insights and find innovative solutions to health problems specially economic evaluation of healthcare programs
- Informing, educating and empowering people about healthcare economic problems and solutions
- Developing and prioritizing policies and plans that support healthcare
- Evaluating effectiveness, cost effectiveness, accessibility and quality of health services
- Applying evidence-based research results to develop and manage policies, strategies and action plans in healthcare
- Understanding how to strengthen and reorient healthcare services for effective and costeffective prevention, control and management of diseases
- Planning and managing finance
- Working as a professional in health system

Educational Strategies, Methods and Techniques* Student Assessment (Methods and Types)

- Formative(Quizzes and Midterm Exam)
- Summative(Final Exam)
- Oral and written exams, observation, clinical competence assessments
- (OSCE, OSLE, OSFE, DOPS, 360 degree evaluation competency)
- Portfolio assessment: Log book, test results, reports, articles, certificates, promotion, etc.

Ethical Considerations*

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

Tables of the Courses

Table 1. All Credits



Compensatory Courses – (A combination will be selected depending on the student’ background)				
Course Code	Course	Credits	Hours	Prerequisites
01	Medical Information Systems	1	26	-
02	Microeconomics	2	34	-
03	Macroeconomics	2	34	-
04	Principles of Health Economics	2	34	-
05	Applied Econometrics	2	51	-
06	Applied Mathematics in Economy	3	68	-
07	Basic Public Health	2	34	-
08	Basic & Essentials of Health Care Services Management	2	34	-

Table 2. Core Courses**Core Courses(21 credits are necessary)**

09	Advanced Micro & Macro Economics	3	68	02, 03
10	Health Economics	3	68	04
11	Planning & Policy Making in Health Section	3	51	-
12	Seminar	1	34	-
13	Advanced Research Methods in Health & Social Sciences	3	68	-
14	Advanced Econometrics	3	68	05
15	Public Economics	2	34	-
16	Insurance Economics	2	34	-
17	Economic Evaluation of Health Projects	2	51	09,10
18	Dissertation	20	-	

Table 3. Non-Core Courses**Non-Core Courses(9 credits are necessary)**

19	Financial Management in Health Section	3	68	-
20	International Economics	3	68	09, 10
21	Pharmaceutical Policy Making & Economy	3	68	-
22	Medical Information Management	3	68	-
23	Health Systems Appraisal	3	68	-
24	Economics of Human Resources in Health Sector	3	68	--
25	Health Services Marketing	3	68	-
26	Medical Sociology	3	68	-

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