**Health Services Management**

1. **PhD in Health Services Management**

PhD in Health Services Management program aims to develop professionals who are able to deal with contemporary global health challenges. Graduates will be prepared to function as faculties, researchers, managers, and policy makers in health-related fields.

**Prerequisite Courses**

|  |  |  |
| --- | --- | --- |
| **Course #** | **Course list** | **Credits** |
| 01 | Finance and Accounting: Basics and Principles | 3 |
| 02 | Applied Biostatistics and Health Indices | 2 |
| 03 | Strategic Management and Planning in Health System | 3 |
| 04 | Health Insurance and Economics | 3 |
| 05 | Advanced English Language | 2 |
| 06 | Hospital Organization and Management | 3 |
| 07\* | Medical Information Systems | 1 |
| 08 | Ethics and Laws in Health System: Basics | 2 |
| 09 | Micro and Macro-Economics: Basics | 2 |
| 10 | Management: Basics | 2 |
| 11 | Communication Management in Health | 2 |
| 12 | Project Management in Health System | 2 |
| 13 | Pharmaceutical and Medical Equipment Management | 2 |
| 14 | Health Systems in Iran & the World | 2 |
| \* | Risk Management | 2 |
| \* | Artificial Intelligence (AI) | 2 |
| **Total** | | 35 |

\* All students are required to take these courses as prerequisite courses.

Students are required to take a maximum of 16 credits of the prerequisite courses based on their previous majors, with the approval of the department and the Educational Council.

**Core Courses**

| **Course #** | **Course list** | **Credits** |
| --- | --- | --- |
| 15 | Operational Research and Quantitative Methods in Health System Management | 2 |
| 16 | Analysis of Health System Programs and Performance | 3 |
| 17 | Advanced Research Methods | 3 |
| 18 | Health System Policy and Reforms | 2 |
| 19 | Supply Chain Management in Health System | 3 |
| 20 | Budget and Financial Management in Health System | 3 |
| 21 | Leadership and Management in Health System | 2 |
| 22 | Internship | 4 |
| 23 | Dissertation | 18 |
| **Total** | | 40 |

**Non-Core Courses**

| **Course #** | **Course list** | **Credits** |
| --- | --- | --- |
| 24 | Human Resource Management in Health System: Advanced | 2 |
| 25 | Entrepreneurship in Health System | 2 |
| 26 | Seminar on Common Problems in Health System | 2 |
| 27 | Systems Thinking | 2 |
| **Total** | | 8 |

Students must take at least 2 credits of the above courses according to the subject of their dissertations, with the approval of their supervisors and the Educational Council.

### **PhD in Health Policy**

The program aims to enable the students to address a broad spectrum of health services and policy issues at macro level and to prepare them for careers in research, teaching, and policy analysis in health services administration and policy- making. The candidates will be exposed to policy making concepts and theories, so they will be able to take an analytical approach to health policies.

**Prerequisite Courses**

|  |  |  |
| --- | --- | --- |
| **Course #** | **Course list** | **Credits** |
| 01 | Health Information System | 2 |
| 02 | Health Economics | 2 |
| 03 | Emergency and Disaster Risk Management & Safety of Healthcare Facilities | 1 |
| 04 | Research Methodology (1) | 3 |
| 05 | Politics and Public Policy | 2 |
| 06 | Writing and Publishing Articles in English | 2 |
| 07 | Statistics in Policy | 2 |
| **Total** | | 14 |

**Core Courses (Compulsory)**

| **Course #** | **Course list** | **Credits** |
| --- | --- | --- |
| 08 | Health System and Health Service Delivery System | 2 |
| 09 | Health Policy and Health System Reform | 2 |
| 10 | Health Policy Analysis | 3 |
| 11 | Health System Financing and Health Insurance | 2 |
| 12 | Economic Evaluation in Healthcare and Health Technology Assessment (HTA) | 2 |
| 13 | Research Methodology (2) | 3 |
| 14 | Global Health | 2 |
| 15 | Planning in Health System | 2 |
| 16 | Methodology of Health Social Studies | 2 |
| 17 | Dissertation | 18 |
| **Total** | | 38 |

**Non- Core Courses (Elective)**

|  |  |  |
| --- | --- | --- |
| **Course #** | **Course list** | **Credits** |
| 18 | Management & Organizational Behavior | 2 |
| 19 | Philosophy, Ethics, Principles of Rights and Regulatory in Health | 2 |
| 20 | Health Sociology | 2 |
| **Total** | | 6 |

### **PhD in Futures Studies in Health**

Futures Studies, an interdisciplinary field of study, is a systematic study of possible, probable and preferable futures and aims to challenge the students to look ahead and make the most appropriate decisions and shape a better future.

The graduates will be able to understand the future with exploratory and normative paradigms, and gain the power to understand the driving forces. Besides, they be able to develop current policies based on comprehensive insight and understanding of threats, future opportunities and resource management. Futures Studies in Health helps the graduates to affect the improvement of the process of planning, policy making, decision making and management at different organizational, regional, national and transnational levels in the short, medium and long- term time frames.

**Prerequisite Courses**

|  |  |  |
| --- | --- | --- |
| **Course #** | **Course list** | **Credits** |
| 01 | Overview of the Health System | 3 |
| 02 | Statistics and Research Methodology: Basics | 2 |
| 03 | Basics of Epidemiology | 2 |
| 04 | Health Sociology | 2 |
| **Total** | | 9 |

They are mandatory courses for those students who have not taken in their previous education level. They are required to take these courses.

Based on the decisions made by the Department of Education and the Council of Postgraduate, students are required to complete necessary courses (maximum 24 units for MSc and 16 units for PhD programs).

**Core Courses (Compulsory)**

|  |  |  |
| --- | --- | --- |
| **Course #** | **Course list** | **Credits** |
| 05 | Futures Studies: Basics and Principles | 3 |
| 06 | Strategic Foresight of Health | 2 |
| 07 | Health Scenario Writing | 2 |
| 08 | Futures Studies Seminar | 2 |
| 09 | Advanced Statistics and Time Series | 2 |
| 10 | Basics and Methods of Modeling and Dynamic System | 2 |
| 11 | Futures Studies Methods 1 | 2 |
| 12 | Futures Studies Methods 2 | 2 |
| 13 | Advanced Research Methodology | 2 |
| 14 | Technical English Language | 2 |
|  | Dissertation | 20 |
| **Total** | | 41 |

**Non- Core Courses (Elective)**

|  |  |  |
| --- | --- | --- |
| **Course #** | **Course list** | **Credits** |
| 15 | Assessment of Science, Innovation and Health Technology | 2 |
| 16 | Comparative Study of Futures Studies Systems in the World | 2 |
| 17 | Environmental Scanning and Observatory of the Health System | 2 |
| 18 | Simulation and Social Systems | 2 |
| 19 | Philosophy of Health | 2 |
| 20 | Horizon Scanning of Health Technologies | 2 |
| **Total** | | 12 |

Students are required to take 6 credits of non-core courses according to the subject of their dissertation, with the approval of the supervisor and the Council of Postgraduate.