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| 1. | School | Institute of Public Health |
| 2. | Department | |
| 3. | Program title (Arabic) | ماجستير في الاقتصاد والسياسات الصحية |
| 4. | Program title (English) | Master of Health Economics and Policy |
| 5. | Track | Comprehensive Exam |

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| | Specialization # | Degree | Dep # | Faculty # | Year | Track |
| Plan Number | | 7 | | | 2023 | Comprehensive |

First: General Rules & Conditions:

1. This plan conforms to the valid regulations of the programs of graduate studies.
2. Specialties of Admission:
 - The First Priority: health science: Bachelor's in human medicine, dentistry, nursing, midwifery, doctor of pharmacy, pharmacy, and rehabilitation sciences.
 - The second Priority: Bachelor's in nutrition, medical laboratory sciences, health administration, economics, Law, human rights and human development, Psychology, Media and Journalism
 Remedial courses will be required for students with non-medical academic backgrounds, to be determined by program board.

Second: Special Conditions: None.

Third: Study Plan: Studying (36) Credit Hours as following:

1. Obligatory Courses (30) Credit Hours:

| Course No. | Course Title | Credit Hrs | Theory | Practical | Pre/Co-requisite |
|------------|---------------------------------------|------------|--------|-----------|--------------------|
| 4101754 | Research methods and biostatistics | 3 | 0 | 3 | |
| 4101702 | Introduction to Healthcare management | 3 | 0 | 3 | --- |
| 4101703 | Introduction to Health Policy and Law | 3 | 0 | 3 | --- |
| 4101743 | Economics of Health | 3 | 0 | 3 | --- |
| 4101753 | Health Technology Assessment | 3 | 0 | 3 | 4101754 |
| 4101744 | Applied Health Economics | 3 | 0 | 3 | |
| 4101745 | Health Care Financing | 3 | 0 | 3 | 4101702 4101703 |
| 4101746 | Practical Training * | 0 | 3 | 3 | 4101744 |

* Each credit hour (practice) equals (2) actual/ field training hours

2. Elective Courses: Studying (6) Credit hours from the following:

| Course No. | Course Title | Credit Hrs | Theory | Practical | Pre/Co-requisite |
|------------|--|------------|--------|-----------|--------------------|
| 0505719 | Healthcare Quality and Patient Safety | 3 | 0 | 3 | 4101702 |
| 0505710 | Planning and Evaluating Health Programme | 3 | 0 | 3 | 4101702 4101703 |
| 4101747 | Introduction to Econometrics and Decision Modelling in Health Care | 3 | 0 | 3 | 4101744 |
| 0701738 | Healthcare Informatics** | 3 | 0 | 3 | 4101702 |
| 4101748 | Global Health Economics and Policy Health | 3 | 0 | 3 | 4101703 4101744 |
| 4101749 | Health Promotion and Health Behaviour | 3 | 0 | 3 | --- |
| 4101750 | Selected Topics in Health Economics and Policy | 3 | 0 | 3 | 4101744 |

**online courses

3. Passing the Comprehensive exam (411798)

Course Description:

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| Course Title: Introduction to Healthcare Management | Course Code: 4101702 | Credit Hours: 3 |
| Course Description | This course provides an introduction to the theoretical basis of health care management. It contextualizes management within the health care system and provides an introduction to the management functions, managers roles and skills. It describes the managerial processes, and interaction between organizations and their environment. The course provides an opportunity to examine real life management case studies in order to apply management practice and skills in real life situations. | |
| Course Title: Introduction to Health Policy and Law | Course Code: 4101703 | Credit Hours: 3 |
| Course Description | This course focuses on the political and legal framework that shapes healthcare management, services and delivery. The course touches upon the role of government agencies in health regulation and the legal aspects of disease control and prevention, access to care and justice. Students will learn how to interpret current controversies around health policy and | |

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| | develop informed opinions on potential future policy developments. Additionally, the course explores ethical considerations and challenges in balancing individual rights with the collective well-being of communities. | |
| Course Title: Medical Research Methods and Biostatistics | Course Code: 4101754 | Credit Hours: 3 |
| Course Description | This course focuses on conceptual and practical issues in the design, interpretation and appraisal of epidemiological research. There is a particular emphasis on improving causal inference through design and analysis. Designing questionnaires, and methods of data collection and analysis. Ethical implications of designing and conducting research will be highlighted. Students will be also provided with skills of critical appraisal of proposals and published papers and reports. This course will also focus on the nature and characteristics of the most commonly used statistical techniques (descriptive statistics, correlation and linear regression, factor analysis, and elementary hypothesis testing), and their applicability to specific health care problems within the context of nursing. Students will develop skills and knowledge in the use of computing software and to reinforce learning through assignments, including the analysis of data and interpret computer output. Practical and tutorial sessions will provide hands-on experience with the concepts and techniques discussed in lectures. At the end of this course, students will be able to write scientific papers for publication and their thesis. | |
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| Course Title: Economics of Health | Course Code: 4101743 | Credit Hours: 3 |
| Course Description | The course presents a background for the analytical methods economists use to study health and address key policy issues. Students will be introduced to the theory of demand for health care including the Grossman model and its empirical applications in health and the role of behavioural economics in health. The course will cover also the Microeconomics theory including demand, supply, and equilibrium, production theory, costs of production. Macroeconomics including capitalist nation, investment expenditure and revenue. | |
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| Course Title: Applied Health Economics | Course Code: 4101744 | Credit Hours: 3 |
| Course Description | This module aims to introduce the basic principles of health economics and skills needed to interpret and appraise applied studies in health economics. The course covers methods of economic evaluation and application across countries such as Costing, patient reported outcomes, evaluating effectiveness of health technologies, pricing policies and health expenditure analysis. Basics of decision analysis and analytical models for determination and efficient use of resources will be covered too. | |
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| Course Title: Health Technology Assessment | Course Code: 4101753 | Credit Hours: 3 |
| Course Description | <ul style="list-style-type: none"> This course will view the use of Health Technology Assessment (HTA) in the assessment of health technologies, such as medical procedures, devices, tests, pharmaceuticals and public health interventions. Emphasis is placed on learning methods to assess the safety, effectiveness and cost effectiveness of health technologies and on translating the findings into health policy. Skills in how to conduct various aspects of HTA with an emphasis on clinical and economic evaluation and interpreting data presented to decision makers. Applications and use of HTA across countries, committees, process and approaches will be discussed using real world case studies. | |
| Course Title: Healthcare Financing | Course Code: 4101745 | Credit Hours: 3 |
| Course Description | <p>This course presents a broad overview of healthcare finance, with a focus on tasks that are essential to the operational management of clinical services, including estimating revenues, costs and profits, planning and budgeting, analysing capital investment decisions, using metrics to monitor operations, and working with financial statements and ratios. This course helps students understand financial accounting and management tools essential in health services delivery, management and policy decision-making.</p> | |
| Course Title: Practical Training | Course Code: 4101746 | Credit Hours: 3 |
| Course Description | <p>The practicum, essentially an internship in the field, is a both required component and a highlight of the MSc in Health Policy and Economics experience. Students will work alongside public health professionals, experience the day-to-day realities of the field, and apply what they have learned in class to advance the cause of public health.</p> | |

Elective Programme Requirements

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| Course Title: Healthcare Quality and Patient Safety | Course Code: 0505719 | Credit Hours: 3 |
| Course Description | <p>This course aims to help students to obtain knowledge and comprehension in relation to quality and safety in the healthcare environment. Using safety and quality as a framework student will examine trends in critical incidents in healthcare that result in adverse outcomes for patients. The subject will also introduce students to emerging strategies in healthcare that seek to improve the safety and quality of patient care.</p> | |
| Course Title: Planning and Evaluating Health Program | Course Code: 0505710 | Credit Hours: 3 |
| Course Description | <p>This course introduces students to the fundamental concepts and techniques of planning, implementing, and evaluating public health programs. The course will cover concepts that are relevant to evaluation of health interventions, as well as social and behavioral interventions, in the community settings. These will include program/intervention; implementation and impact evaluation concepts; models/designs; methods; indicators; and data collection, analysis, and interpretation strategies. Design and application of evaluations will include both quantitative and</p> | |

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| | qualitative research methods. | |
| Course Title: Healthcare Informatics | Course Code: 0701738 | Credit Hours: 3 |
| Course Description | This course introduces students to the principles and application of major information systems approaches in the delivery and administration of health care. In addition to application of healthcare informatics in clinical practice, other areas of informatics application are emphasized such as research, education, administration, and quality management. The students will have the opportunity to learn about health care informatics principles, information and communication technologies in health care, clinical information systems, electronic health records, telehealth, and health information security, confidentiality, integrity, and availability. | |
| Course Title: Introduction to Econometrics and Decision Modelling in Health Care | Course Code: 4101747 | Credit Hours: 3 |
| Course Description | Provide opportunities to understand what constitutes good practice in relation to decision modeling for healthcare technologies, learn about key issues in filling out a decision form as well as understand appropriate methods for analyzing the results of decision models. This course provides students with the analytical and quantitative skills required to conduct applied econometric research and familiarize themselves with the different methodology used in empirical research found in academic and policy papers. Students also learn to interpret the results of econometric models as they influence public health policies | |
| Course Title: Global Health Economics and Policy Health | Course Code: 4101748 | Credit Hours: 3 |
| Course Description | The course will enable students to develop a global perspective on public health issues and recognise the economic and social dimensions of these issues across the world. Particularly, the course will discuss health policy development in the context of health challenges including natural disasters, conflict; refugees, maternal and child health; nutrition; infection; and health systems sustainability. | |
| Course Title: Health Promotion and Health Behaviour | Course Code: 4101749 | Credit Hours: 2 |
| Course Description | This course aims to provide students with an overview of the behavioural risk factors affecting health and their psychosocial determinants. During the course, students will discuss these factors within frameworks, theories, and models of behaviour related to health. Additionally, the course will assist students in becoming more equipped to work with community members and community-based organisations when doing public health work. There are three main areas of focus for the course: (1) Consideration of power, privilege, and social identities in community engagement, (2) Strategies for engaging stakeholders and building coalitions and (3) Community-based participatory research principles and other models of community engagement. | |
| Course Title: Selected Topics in Health Economics and | Course Code: 4101750 | Credit Hours: 3 |

| Policy | |
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| Course Description | One or some specialized topics in the fields of health economics and policy are studied in depth and are selected in advance by the concerned faculty member so that they are announced to students upon registration. |