



Master of Business Administration (*Healthcare Management track*)

Course Descriptions

MBA 562 Health Informatics

Cr Hrs: 3 Prerequisite: MBA 511 Grad Scheme: Letter

Health Informatics provides an overview of health information management systems (HIMS), the data within these systems and the translation of the data into information and subsequently knowledge. Students analyze data, data flow and other pertinent information related to healthcare organizations. Students are introduced to information systems infrastructure and other types of systems, and how information is incorporated into the operational process, clinical environments and medical research. *Subject Core Course.*

MBA560 Healthcare Management

Cr Hrs: 3 Prerequisite: MBA 514 Grad Scheme: Letter

The main purpose of this course is to develop the knowledge themes that management of healthcare depends on including leadership endeavors, health care policy, ethics and legal aspects of healthcare. The development of such themes allows the students to apply them in real life situations. *Subject Core Course.*

MBA563 Management Control and Performance Measurement

Cr Hrs: 3 Prerequisite: MBA 560 Grad Scheme: Letter

The objective of this course is to show how to design, implement and use management control and performance tools, techniques and systems to achieve business objectives at tactical and strategic business levels. This includes traditional and innovative methods, how control and performance management are used to govern an organization, how management can measure and evaluate the performance of the firm at various levels and what types management incentives and rewards are used to achieve proper performance and decision making. *Subject Core Course.*



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MBA567 Practicum and Seminar

Cr Hrs: 3 Prerequisite: MBA 560 Grad Scheme: Letter

The Practicum and Seminar is a practical course, in which the graduate students are trained in presentation skills of complex material. Guest lecturers will also be invited to present and discuss state-of-the-art topics in public health and health management. The practicum is an opportunity for students to apply classroom knowledge and theory to real-world public health practice. It is a program accreditation requirement. The aim of the course is to develop student skills and to demonstrate the application of these skills through a practice experience relevant to their areas of interest. The students will have the opportunity to provide evidence of application of these skills to potential employers subsequent to completion of the MPH program. The practicum will be supervised and evaluated by a qualified preceptor/academic advisor, and must be framed and carried out within a public health practice context with an established organization or agency, and apply public health skills and competencies. *Subject Core Course.*

MPH 503 Environmental and Occupational Health

Cr Hrs: 3 Prerequisite: None Grad Scheme: Letter

The Environmental & Occupational Health course covers the basic principles of environmental and occupational health and the sources of hazards to human health that exist within the Saudi workplace and environment. This knowledge allows students to develop strategies that effectively intervene to alleviate and potentially, in the long run, prevent adverse health effects caused by environmental agents and conditions prevalent in the Kingdom. *Subject Elective Course.*

MPH 504 Communicable Diseases

Cr Hrs: 3 Prerequisite: None Grad Scheme: Letter

Communicable diseases are illnesses that can be transmitted from person to person or animal to person. There are more than 70 Communicable diseases, such as Tuberculosis, Malaria, Corona Virus, HIV/Aids etc. Socioeconomic, environmental and behavioral factors, as well as international travel and migration, foster and increase the spread of communicable diseases. Vaccine-preventable, foodborne, zoonotic, healthcare-related and communicable diseases pose significant threats to human health and may sometimes threaten international health security. This course envisions creating public health tools to help physicians implement effective disease prevention and control programs to address their risk factors. The course also addresses the current paradigms and controversies in epidemiology, health systems, and policy research related to communicable diseases, equipping participants with the language and skills to progress further in their fields. The objective is to train students in the interdisciplinary approaches to communicable diseases prevention, treatment, and care. The course will also expose participants to key theoretical and empirical knowledge in communicable diseases' research from a range of disciplines, including epidemiology, economics and health systems in the Kingdom of Saudi Arabia, surrounding regions and internationally. *Subject Elective Course.*



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MPH 506 Social & Behavioural Determinants of Health

Cr Hrs: 3 Prerequisite: None Grad Scheme: Letter

Social & Behavioural Determinants of Health course covers the basic principles of the field of social and behavioural determinants of health including the theoretical and methodological approaches to the study of social and behavioural determinants of health, the role of social and behavioural determinants in the health of individuals and society, and present evidence for social and behavioural determinants of health and their relationship to health outcomes. *Subject Elective Course.*

MPH 510 Principles of Mass Gatherings Health

Cr Hrs: 3 Prerequisite: MBA 560 Grad Scheme: Letter

The course covers the public health principles of Hajj and Umra as events of mass gatherings. It discusses the dynamics of the Hajj and Umra events, their boundaries, dates and available contingencies. It also defines the main elements of the Incident Command System, describes the responsibilities of the various services participating in the preparation, monitoring, and response during Hajj and Umra, and finally summarizing interdependence of various health and safety services related to engineering, and health communications in mass gatherings areas. *Subject Elective Course.*

MPH 511 Principles of Disaster Management

Cr Hrs: 3 Prerequisite: MBA 560 Grad Scheme: Letter

The course introduces students to the different aspects of natural and industrial disasters, while integrating public health research principles, designs and practices. The course covers recent and historical case studies as a basis for developing critical thinking and leadership skills needed by public health professionals in crisis situations. The course addresses international, regional, and local settings, as well as the social, economic, and political aspects of disaster planning, preparedness, and alleviation. *Subject Elective Course.*



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MPH 514 Quality Assurance in Public Health

Cr Hrs: 3 Prerequisite: MBA 560 Grad Scheme: Letter

The Public Health Quality Forum (PHQF) defined public health quality as, “The degree to which policies, programs, services, and research for the population increase desired health outcomes and conditions in which the population can be healthy.” Quality Assurance in Public Health course provides students with an overview of public health quality assurance principles and practices and their role and impact on public health. The course covers the basics of developing, implementing and evaluating measurable indicators of quality for public health medicine. *Subject Elective Course.*

MPH 519 Public Health and Healthcare Systems in KSA

Cr Hrs: 3 Prerequisite: MBA 560 Grad Scheme: Letter

An introductory course takes policy and political angle to healthcare's three main topics - access, cost, and quality. The roles of patients, physicians, hospitals, insurers, and pharmaceutical companies will be established. The courses discussed the interaction between the government and these different groups. Current national health care policy initiatives and, especially, the interests of class members will steer the specific topics covered in the course. The course provides skills for a critical and analytical understanding of Saudi Healthcare Systems. *Subject Elective Course.*

MPH 520 Health Economics

Cr Hrs: 3 Prerequisite: MBA 560 Grad Scheme: Letter

Health Economics course develops an understanding of the relevance of economic concepts to the healthcare and public health sectors. It provides an application of economic models to demand, supply, and their interaction in the Saudi medical economy. It also covers the role of economic factors in the development of public policy concerning health and healthcare. The course develops an understanding of the functioning and limitations of the market system and applying micro models in economic problem-solving activities. The theoretical framework of this course includes basic economic problems, supply and demand, analysis, consumer theory, production and cost theory, market structure, market failure, and microeconomic policy. *Subject Elective Course.*



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MPH 522 Global Health

Cr Hrs: 3 Prerequisite: None Grad Scheme: Letter

Global Health with a concentration on the developing world and emerging economies (LMIC) is an introduction to the major health issues of LMIC nations, social determinants of health, models for addressing health disparities, innovations for improving health, health and human rights and the role of international organizations in improving global health. Students will explore the major demographic and economic changes, causes of morbidity and mortality, review factors which influence these outcomes, look at health systems, examine the role of human rights and analyze strategies to improve health and recommendation sustainable solutions. *Subject Elective Course.*

MPH 527 Communicable & Non Communicable Diseases

Cr Hrs: 3 Prerequisite: None Grad Scheme: Letter

Communicable diseases are illnesses that can be transmitted from person to person or animal to person. Noncommunicable diseases (NCDs) including cardiovascular diseases, diabetes, cancer, and chronic lung disease, are responsible for considerable morbidity and premature adult mortality globally. This course envisions creating public health tools to help physicians implement effective disease prevention and control programs to address their risk factors. The objective is to train students in interdisciplinary approaches to diseases prevention, treatment, and care. The course will also expose participants to key theoretical and empirical knowledge in diseases' research from a range of disciplines, including epidemiology, economics and health systems in the Kingdom of Saudi Arabia, surrounding regions and internationally. *Subject Elective Course.*