

Courses Description

College: Medicine

Department:

Couse ID: 111500101 **Description:** Clinical Skills lab (1)

Full Course Description:

- This course will introduce the students to the methods of research in the health field (quantitative and qualitative). □
- This course will provide the students with the core research skills they need to conduct quantitative research and how they can interpret and present their research results. □
- The course will focus on descriptive, inferential statistics as applied to medical practice. □
- The course starts with understanding descriptive measures and probability concepts. Conditional probability and Bayes theorem to test validity and reliability indicators for clinical and laboratory tests, i.e. sensitivity, specificity and predictive values for single and multiple tests. □
- The students will be trained to use a computer software (SPSS) in solving assigned exercises. The students are trained to recognize the different types of variables, organize the data on Excel and SPSS, write a null hypothesis and conduct statistical inferences by Estimation and Hypothesis testing, Chi-square analysis, Analysis of Variance (ANOVA), logistic regression, correlation and non-parametric tests are discussed with relevant clinical examples. □
- The students will learn about the different types of confounders, bias. □
- The course will discuss Vital statistics topics related to Fertility, Morbidity and Mortality indicators. □
- The course is designed to introduce the students to the concepts of community medicine and its integration within clinical medicine. □
- Teaching methods include face to face and online lectures, class discussions, and exercises. □

Couse ID: 111500201 **Description:** Clinical Skills lab (2)

Full Course Description: This course covers the skills of history taking and physical examination of the respiratory system, cardio-vascular system and hematopoietic & lymphatic system. It also covers the study of signs and symptoms of the diseases that affect these systems through seminars and practical training performed on the highly sophisticated manikins available at the clinical skill lab.

Couse ID: 111500301 **Description:** Clinical Skills lab (4)

Full Course Description: This course covers the skills of history taking and physical examination of the genitourinary system. It also covers the study of signs and symptoms of the diseases that affect the genitourinary system through seminars and practical training performed on the highly sophisticated manikins available at the clinical skill lab.

Couse ID: 111500302 **Description:** Clinical Skills lab (5)

Full Course Description: This course covers the skills of history taking and physical examination of the neuroscience I and neuroscience II system. It also covers the study of signs and symptoms of the diseases that affect these systems through seminars and practical training performed on the highly sophisticated manikins available at the clinical skills lab.

Couse ID: 111500303 **Description:** Clinical Skill lab (3)

Full Course Description: This course covers the skills of history taking and physical examination of the gastro-intestinal system, endocrine system, and musculo-skeletal system. It also covers the study of signs and symptoms of the diseases that affect these systems through seminars and practical training performed on the highly sophisticated manikins available at the clinical skills lab.

Courses Description

College: Medicine

Department:

Couse ID: 111501101 **Description:** Medical Economics

Full Course Description: Against a background of increasing demands on limited resources, health economics is exerting an influence on decision making at all levels of health care. Health economics seeks to facilitate decision making by offering an explicit decision-making framework based on the principle of efficiency. It is not the only consideration, but it is an important one and practitioners will need to understand its basic principles and how it can impact on clinical decision making. This course is based to review some of the basic principles of health economics and in particular economic evaluation. □
This course is specifically designed to enable the medical student to understand the principles of health economic that drive the demand for and supply of medical care in Jordan. □
After completing this course, the student should be able to understand the logic behind decisions made by physicians, hospitals, managed care organizations, and government as well as the choices made by consumers on individual and aggregate levels. The goal is for students to become better equipped at becoming effective decision-makers, themselves. Emphasis will be placed throughout the course on empirically sound and well-grounded economic theory; however, applications of such theory in real situations that have occurred and/or predicted to occur in the future will be illustrated. □

Couse ID: 111501102 **Description:** Health Policies

Full Course Description: This course deals with the decisions, plans, and actions that are undertaken to achieve specific health care goals within a society. It also study the different categories of health policies, including personal health care policy, pharmaceutical policy, and policies related to public health such as vaccination policy or tobacco control policy. It covers topics of financing and delivery of health care, access to care, quality of care, and health equity.

Couse ID: 111501103 **Description:** Medical Ethics

Full Course Description: This course studies the moral principles that apply values and judgments to the practice of medicine during clinical settings history taking. It covers ethical issues relating to end of life care, abortion, genetic and prenatal testing, birth control, stem cells, organ donation, patient rights.

Couse ID: 111501108 **Description:** First aid

Full Course Description: This course introduces the basics of emergency first aid treatment. Topics include issues in providing care, primary assessment and basic life support, secondary assessment, circulatory emergencies, respiratory emergencies, soft tissue injuries, bone & joint injuries, environmental illness & injury, medical conditions, and advanced topics. Upon completion, students should be able to demonstrate skills in providing emergency care for the sick and injured until medical help can be obtained

Couse ID: 111501203 **Description:** General Pharmacology

Full Course Description: This is a general pharmacology module for second year medical students. In this series of lectures, students will be introduced to the fundamental concepts of Pharmacology including pharmacokinetics, pharmacodynamics, drug metabolism, and drug interactions. In addition, the course will introduce students to the pharmacology of autonomic nervous systems. Students will also be introduced to the major drug classes that are used to treat pain and fever. This course will introduce the pharmacology and clinical use of antibiotic drugs used in the treatment of infectious diseases. Additional lectures will also cover drugs used in chemotherapy and the treatment of cancer. New lectures are added regarding drugs in pregnancy, toxicology, evaluation of new drugs. □

Courses Description

College: Medicine

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Couse ID: 111501206 **Description:** The Cardiovascular System

Full Course Description: This system-based integrated module gives a comprehensive overview of the cardiovascular system. It includes 56 lectures and 11 labs. Each of the basic science topics is incorporated into an integrated body of knowledge covering anatomy, including the developmental anatomy as well as the congenital anomalies, histology, and physiology of the cardiovascular system. It also includes the biochemical and pathological prevention methods of those diseases. It concentrates on drug therapy of common cardiovascular diseases such as hypertension ischemic heart disease, heart failure, and cardiac arrhythmias.

Couse ID: 111501209 **Description:** Introduction to Public Health

Full Course Description: This course covers the topics of population science, primary health care, mother and child health, ecology, health care systems and health planning. It also covers the concept of environmental health, study the sources of pollution, classification of pollutants; including water, air, soil and occupational pollutants, the relationship between pollution and work and social behavior, the effect of pollution on health and methods of prevention of pollution and equipment used in this regard.

Couse ID: 111501307 **Description:** Clinical Decision Making

Full Course Description: This course is designed to provide undergraduate medical students with a comprehensive understanding of the clinical reasoning and decision analysis processes. Students will learn the theoretical underpinnings of clinical decision making, shared and group decision-making and risk communication, including the numerical concepts and skills required for good interpretation of clinical evidence. This course will cover topics such as clinical decision making and modelling in medicine, shared and group decision making, definition and application of evidence-based medicine, clinical reasoning and associated errors, probabilities and Bayesian reasoning, diagnostic tests reasoning, decision analysis and Markov cohort models, clinical decision support systems, probabilistic sensitivity analysis and behavioral decision making. Ethical decision-making frameworks will be explored and applied to diverse educational and clinical situations. The importance of evidence-based decision-making will be emphasized, and students will learn how to identify, access, assess, and utilize quality evidence from science and other sources to make informed decisions. Integration of individual, societal, community, and global determinants of health into a shared medical decision-making approach to patient care and wellness will be a key focus. By the end of this course, students will have developed a strong foundation in the theoretical and practical aspects of medical decision-making, enabling them to make informed and effective decisions in their future medical practice.

Couse ID: 111501308 **Description:** Clinical Psychology

Full Course Description:

Couse ID: 161500301 **Description:** Introduction to Clinical Training

Full Course Description: The aim of this course is to help students to acquire clinical skills through the integrated basic science module which will ultimately help in better patient care. Through emphasis on communication skills between health care provider and patients and between different medical staff, we are hoping to prepare our students for their future career, also it will help students to integrate their knowledge of basic sciences with clinical practice. The Course incorporates basic medical history taking and basic physical examination.

Couse ID: 161500402 **Description:** Project Research

Full Course Description: لا زال رررر

Courses Description

College: Medicine

Department:

Couse ID: 161501401 **Description:** Community Medicine (1)

Full Course Description:

- This course will introduce the students to the methods of research in the health field (quantitative and qualitative). □
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- The course will focus on descriptive, inferential statistics as applied to medical practice. □
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- The students will learn about the different types of confounders, bias. □
- The course will discuss Vital statistics topics related to Fertility, Morbidity and Mortality indicators. □
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- Teaching methods include face to face and online lectures, class discussions, and exercises. □

Couse ID: 1815011207 **Description:** Hematopoetic System

Full Course Description: The Hematopoietic and Lymphatic System is a 4-credit hour integrated basic science course that introduces students to the main structures and functions of the hematopoietic system and discusses several disease processes including anemia, bleeding disorders, blood infections, immunodeficiency, and hematological malignancies. In addition, the course allows medical students to explore up-to-date pharmacotherapy of blood disorders.

Couse ID: 1815011301 **Description:** The Endocrinology System

Full Course Description: The endocrine module is a four-credit hour course with around 44 lectures and 6 practical labs included. This course integrates all basic science disciplines in one system-based course to discuss endocrine system-related topics. Each of the basic science departments is incorporated into an integrated body of knowledge covering anatomy, physiology, biochemistry, pharmacology, pathology, and community. The goals of this course will be achieved via lectures and relevant laboratory practical sessions. In this course discussing the structure of endocrine glands as well as the development of different endocrine glands. The course also focuses on the role of the endocrine system in maintaining homeostasis as well as the physiological effects of different hormones. In addition, this course describes in detail the biosynthesis of hormones, regulation of hormonal secretion and the mechanism of action of different hormones. It also discusses the drug affecting the endocrine system. In addition, it explains different diseases affecting the endocrine glands and the possibility of pharmacological treatment of each.