

Course Title:	Therapeutics
Course Code:	THER425
Program:	Bachelor of Medicine and Bachelor of Surgery (MBBS)
Department:	Basic Medical Sciences
College:	College of Medicine
Institution:	AlMaarefa University

Course Identification

1. Credit hours: 8 hours								
2. Course type								
a.	University	<input type="checkbox"/>	College	<input checked="" type="checkbox"/>	Department	<input type="checkbox"/>	Others	<input type="checkbox"/>
b.	Required	<input checked="" type="checkbox"/>	Elective	<input type="checkbox"/>				
3. Level/year at which this course is offered: Year 4 - Level 8								
4. Pre-requisites for this course (if any): Blocks in Level 3 to Level 7								
5. Co-requisites for this course (if any): None								

Course Objectives

1. Course Description <p>This course introduces important concepts in clinical therapeutics, pharmacotherapeutics, clinical decision making and key therapeutic principles that guide clinical practice. It provides students with the ability to develop sound clinical and therapeutic decisions based on patient- and disease-specific information and parameters.</p>
2. Course Main Objective <p>By the end of the course, each student should be able to:</p> <ul style="list-style-type: none"> * Describe the etiology, mechanism and natural course of common medical diseases in adult and geriatric patients. * Describe different types of medical emergencies in adult and geriatric patients. * Describe the clinical symptoms and signs, differential diagnosis and complications of the common and serious medical conditions in patients. * Recognize different modalities of investigations used for diagnosis of diseases (laboratory, radiology, histopathology, endoscopy ... etc.). * Describe the main line of treatment for a given diagnosis (pharmacological and non-pharmacological).

- * Identify the side effects of different pharmacological and non-pharmacological treatment modalities.
- * Identify the associated risk factors and principles of diseases screening and prevention.
- * Discuss Prevention, diagnoses and management of iatrogenic illness.
- * Integrate basic anatomical, biochemical, physiological, pathological and clinical data to reach a diagnosis.
- * Select appropriate modalities of investigations and interpret their results.
- * Use problem solving clinical skill to make decisions regarding the common clinical situations.
 - * Recognize the need of referral to a higher level of care.
- * Use evidence-based medicine in solving clinical problems.