


Sub.	Course Description – توصيف مقرر دراسي	الموضوع	 كلية المعرفة ALMAAREFA COLLEGE
Date		التاريخ	

Course Code & No	RSTH323	تنفسي ٣٢٣	رقم المقرر ورمزه
Course Name	Pulmonary function methodology	طرق فحص وظائف الرئة	اسم المقرر
Credit Hours	3	3	عدد الساعات المعتمدة
Pre-requisite	RSTH٢٢٥	تنفسي ٢٢٥	المتطلب السابق

General Description	توصيف عام
A study of pulmonary diagnostic techniques with an emphasis on pulmonary function testing and interpretation	

Course Objectives	أهداف المقرر
<p>The purpose of this course is to enable the student to:</p> <ol style="list-style-type: none"> 1. Perform, calculate and interpret a spirogram and flow-volume loop using various types of spirometers. 2. Describe the theory and procedure for measuring lung volumes and diffusing capacity. 3. Discuss the indications and procedures for specialized pulmonary test such as; bronchoprovocation, neonate and pediatric studies, and Vd/Vt determinations. 4. Interpret the normal and abnormal responses in commonly used pulmonary function tests. 5. Discuss quality control. 	

Course Outlines	مفردات المقرر
<ol style="list-style-type: none"> 1. Indications 2. Spirometry 3. Flow volume 4. Diffusing Capacity 5. Lung Volumes 6. Bronchoprovocation Testing 7. Specialized Test Regimens 8. Pulmonary Function Testing Equipment 9. ABGs 	

References	المراجع
<p>Manual of Pulmonary Function Testing 10th Edition Ruppel. ISBN 978-0323085052</p>	