

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

Course Code & No	RSTH 464		رقم المقرر ورمزه
Course Name	Case Management Approach		اسم المقرر
Credit Hours	2		عدد الساعات المعتمدة
Pre-requisite	RSTH 441 RSTH 421		المتطلب السابق

General Description	توصيف عام
The Case Approach to Respiratory Care is the wrap up of all subjects in cases in which the student see the patient as one piece from different angles, utilizing different tools and methods learned in the program to assess, manage variety of pathologies and respiratory cases, train the student to function and professional therapist	

Course Objectives	أهداف المقرر
Knowledge: <ul style="list-style-type: none"> • Describe the pharmacologic approach toward the treatment of ARDS. • Describe mechanically ventilating an ARDS patient. • Describe bronchoscopy assisting. • Describe non-invasive positive pressure ventilation (NPPV). • Give at least 4 examples of pulmonary pathologies suitable for pulmonary rehabilitation. • Outline the pulmonary rehabilitation principles. Cognitive Skills: <ul style="list-style-type: none"> • Explain methods used to improve patient oxygenation during mechanical ventilation • Evaluate hemodynamic monitoring, especially in terms of ARDS.@2.1 • Explain various methods of weaning from mechanical ventilation • Differentiate shock and sepsis. • Interpret arterial lines waveform. • Justify the physiological effect of mechanical ventilation. • Criticize the role of capnography with head injury. • Interpret capnography waveform. • Explain the indications for mechanical ventilation. • Explain the methods for mechanically ventilating patients who have closed head injury. • Compose the complications of mechanical ventilation. • Summarize the role of NPPV on patient with pulmonary edema • Explain how to mechanically ventilate a patient who has obesity hypoventilation syndrome • Explain the role of NPPV with COPD • Explain the IPAP and EPAP on Oxygenation and Ventilation • Evaluate patient conditions on NPPV • Summarize steps of NPPV management • Explain hospice care (tracheostomy weaning) • Evaluate the RT role in discharge planning and process • Explain RT role in home care • Summarize the role of different health care discipline in hospices care. 	

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<ul style="list-style-type: none"> • Explain chronic Care Ventilation. • Write the indications for a pulmonary rehabilitation program. • Explain the process of patient enrollment in pulmonary rehabilitation program. • Evaluate the concept of desaturation during exercise. • Explain Portable oxygen systems. • Explain Oxygen concentrators' principle of operation. • Explain different method of patient evaluation progress while rehabilitating. <p>Interpersonal Skills:</p> <ul style="list-style-type: none"> • Demonstrate Team work skills. • Show Leadership skills. • Develop skills to accommodate and absorb criticism. • Use different strategies to Avoid conflict. • Demonstrate patients' rights and safety. <p>Communication, Information Technology, Numerical:</p> <ul style="list-style-type: none"> • Demonstrate the utilization of Proper communication channels. • Show Personal professional development skills. • Appraise different modern technologies and communications methods. <p>Psychomotor:</p> <ul style="list-style-type: none"> • None

Course Outlines	مفردات المقرر
Case 1 Case 2 Case 3 Case 4 Case 5	

References	المراجع
Required Text: <ol style="list-style-type: none"> 1. Wilkins, Sheldon, Krider, Eds. Clinical Assessment in Respiratory Care, 5th ed. Chicago, Mosby-Yearbook, 2005. 2. DesJardins T, Burton GG. Clinical Manifestations and Assessment of Respiratory Disease. Mosby Elsevier 2006. 3. Cottrell GP, Surkin HB. Pharmacology for Respiratory Care Practitioners. Philadelphia, FA Davis, 1995. 4. Pilbeam S. Mechanical Ventilation, 4th ed. Chicago, Mosby-Yearbook, 2006. Essential References <ol style="list-style-type: none"> 1. Clinical Practice Guidelines of the American 	

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<p>Association for Respiratory Care</p> <p>2. Lilly, L. Pathophysiology of Heart Disease: A Collaborative Project of Medical Students and Faculty, 3rd edition, Lippincott Williams &</p> <p>Recommended Books and Reference Material:</p> <ol style="list-style-type: none"> 1. Electronic Materials, Web Sites etc. 2. Other learning material such as computer-based programs/CD, professional standards/regulations 	
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