



**Jordan University of Science and Technology**  
**Faculty of Applied Medical Sciences**  
**Respiratory Therapy Department**

RTH327 Respiratory Therapy - JNQF Level: 7

First Semester 2023-2024

**Course Catalog**

2 Credit Hours. This course provides students with an in depth understanding of the main concepts related to respiratory therapy and its related aspects, rules and practices guidelines. It will provide the students with the essential theoretical knowledge and skills pertaining to the assessment of the respiratory system and main respiratory disorders. Upon completion of this course, students will have an adequate overview of diagnostic tests, machinery treatments, assessment and data analysis related to respiratory care. Patient education, long-term care, ethics and the end of life care values will also be discussed.

**Teaching Method:** On Campus

**Text Book**

<b>Title</b>	Egan's Fundamentals of Respiratory Care,
<b>Author(s)</b>	Kacmarek. R.M, Stoller J.K, Heuer. A.J, Chatburn R.L., Kallet.R.H.
<b>Edition</b>	12th Edition
<b>Short Name</b>	Egan's
<b>Other Information</b>	Publisher: Elsevier 2021

**Instructor**

Name	<b>Dr. Mohammed Kasasbeh</b>
Office Location	-
Office Hours	
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**Class Schedule & Room**

Section 1:

Lecture Time: Sun, Tue : 09:30 - 10:30

Room: M4201

**Tentative List of Topics Covered**

Weeks	Topic	References
Week 1	Introduction & Historical Aspects	From Egan's
Week 1	Revision of Anatomical and Physiological Aspects	From Egan's
Weeks 2, 3	Ventilation and Respiration	From Egan's
Weeks 3, 4	Solutions, Body Fluids and Acid-Base Balance	From Egan's
Weeks 5, 6, 7	Introduction to Respiratory Disorders	From Egan's
Weeks 8, 9, 10	Respiratory Diseases	From Egan's
Weeks 11, 12, 13	Nutrition Assessment	From Egan's
Weeks 14, 15	Ethics and the End of Life	From Egan's

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Describe prevalent aspects of respiratory therapy and other related topics. [50PLO 1, 50PLO 2] [1L7K1, 1L7S1]	5%	
Identify respiration and ventilation and name the main assessment procedures and machinery treatments of respiratory care. [100PLO 1] [1L7K1]	15%	
Explore acid-base balance and analyze patient assessment data in order to design, implement and evaluate the relevant respiratory care. [50PLO 1, 50PLO 2] [1L7K1, 1L7S1, 1L7S3, 1L7C4]	20%	
Identify the main respiratory disorders and establish satisfactory understanding of their relevant aspects. [35PLO 1, 35PLO 2, 30PLO 3] [1L7K1, 1L7S1, 1L7S2, 1L7S3, 1L7C4]	40%	
Demonstrate adequate understanding of patient education aspects and identify the prevalent values pertaining to the end of life care values and ethics. [25PLO 1, 25PLO 2, 25PLO 3, 25PLO 7] [1L7K1, 1L7S1, 1L7S2, 1L7S3, 1L7C1, 1L7C2, 1L7C4]	20%	

**Relationship to Program Student Outcomes (Out of 100%)**

PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7
46.5	31.5	17				5

Relationship to NQF Outcomes (Out of 100%)						
L7K1	L7S1	L7S2	L7S3	L7C1	L7C2	L7C4
33.36	18.36	10.86	15.86	2.86	2.86	15.86

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