



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

RTH354 Emergency Respiratory Care - JNQF Level: 7

Second Semester 2023-2024

**Course Catalog**

3 Credit Hours. This course provides students with an in depth understanding of the main emergency cardiopulmonary situations and explains the essential and urgent interventions required during the management of these situations. This course will also describe the main clinical manifestations associated with critical cardiopulmonary disorders and provide students with the most appropriate cardiopulmonary management techniques. Basic life support and prioritized first aid management 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	
Email	makasasbeh@just.edu.jo

**Class Schedule & Room**

Section 1:

Lecture Time: Mon, Wed : 10:00 - 11:30

Room: N1303

Section 2:

Lecture Time: Mon, Wed : 13:00 - 14:30

Room: N4205

**Prerequisites**

Line Number	Course Name	Prerequisite Type
1163270	RTH327 Respiratory Therapy	Prerequisite / Study

**Tentative List of Topics Covered**

Weeks	Topic	References
Week 1	Introduction and Overview	From <b>Egan's</b>
Weeks 1, 2	Pulmonary Vascular Diseases	From <b>Egan's</b>
Weeks 2, 3	Acute Respiratory Distress Syndrome	From <b>Egan's</b>
Weeks 3, 4	Heart Failure and Hypertensive Crises	From <b>Egan's</b>
Weeks 4, 5, 6	Respiratory Management of Trauma, Obesity, Near Drowning, and Burns	From <b>Egan's</b>
Week 7	Emergency Cardiovascular Life Support	From <b>Egan's</b>
Weeks 8, 9	Respiratory Failure, Noninvasive and Invasive Ventilators	From <b>Egan's</b>
Week 10	Management of Shock	From <b>Egan's</b>
Weeks 11, 12	Coronary Artery Diseases and Myocardial Infarction	From <b>Egan's</b>
Weeks 13, 14, 15	Monitoring the Patient in the ICU	From <b>Egan's</b>

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Identify the main critical cardiopulmonary diseases and describe their prevalent clinical features. [1PLO 1] [1L7K1]	20%	
Demonstrate holistic respiratory assessment of patients with critical cardiopulmonary disorders. [1PLO 1, 1PLO 2, 1PLO 3, 1PLO 7] [1L7K1, 1L7S1, 1L7S2, 1L7S3]	20%	
Demonstrate adequate understanding of prioritized and effective emergency management of critical cardiopulmonary conditions. [1PLO 1, 1PLO 2, 1PLO 3, 1PLO 5] [1L7K1, 1L7S1, 1L7C1]	20%	
Describe elements relevant to basic life support and prioritized first aid management. [1PLO 1, 1PLO 2] [1L7K1]	20%	

Utilize clinical reasoning in planning, intervention and evaluation of emergency care of patients with acute cardiopulmonary diseases. [1PLO 1, 1PLO 2, 1PLO 3, 1PLO 5] [1L7K1, 1L7S1, 1L7S2, 1L7S3, 1L7C1]	20%	
--	-----	--

Relationship to Program Student Outcomes (Out of 100%)						
PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7
45	25	15		10		5

Relationship to NQF Outcomes (Out of 100%)				
L7K1	L7S1	L7S2	L7S3	L7C1
55.67	15.67	9	9	10.67

Date Printed: 2024-02-17