

Department of Respiratory Care

Course Specification of
Respiratory Diseases II
Course No. (08 05 880)

2024/2025

XLVIII. Course Description:

This advanced course delves into complex and specialized areas of respiratory care, focusing on infectious lung diseases, environmental and occupational lung diseases, interstitial lung disease, postoperative pulmonary complications, lung transplantation, palliative care for respiratory patients, neonatal and pediatric pulmonary disorders, and sleep disorders. Building on the foundational knowledge from Respiratory Diseases 1, students will explore the intricacies of these conditions, including in-depth pathophysiology, advanced diagnostic techniques, emerging therapies, and unique considerations for specific patient populations. The course emphasizes evidence-based practice, critical thinking, and ethical decision-making in the context of complex respiratory care.

IV Course Content:

A – Theoretical Aspect: (if any)

S	Units/ Topics List	No. of Weeks	Contact hours	CILOs
1	Infectious Lung Diseases:	1	2	a1
	- o Fungal infections, parasitic infections - o Diagnosis, treatment, and public health considerations			
2	Tuberculosis	2	2	a2, a3
	- o Pathophysiology , clinical manifestations - o Diagnosis, treatment, and public health considerations, complications, and long-term outcomes , Prevention, and management strategies			
3	Environmental and Occupational Lung Diseases:	3-4	4	a3
	- o Asbestosis, silicosis, coal worker's pneumoconiosis - o Prevention, diagnosis, and management strategies			
4	Interstitial Lung Disease:	6-7	4	a2, a3
	- o Idiopathic pulmonary fibrosis (IPF), sarcoidosis - o Clinical presentation, diagnostic workup, and treatment options			
5	Mid-Term Exam	8	2	
6	Postoperative Pulmonary Complications:	9	2	
	- o Atelectasis, pneumonia, acute respiratory failure - o Prevention strategies and management in the postoperative setting			
9	Lung Transplantation:	10	2	a2, a3
	- o Indications, recipient selection, and surgical procedure - o Post-transplant complications and long-term management			
10	Palliative Care of the Respiratory Patient:	11	2	c1, d1, d2
	o Symptom management, end-of-life care, and ethical considerations			
11	Neonatal and Pediatric Pulmonary Disorders:	12-13	4	a3
	- o Respiratory distress syndrome (RDS), bronchopulmonary dysplasia (BPD), asthma - o Developmental considerations and specialized care			

12	Sleep Disorders	- o Sleep Apnea Syndromes: Central and Obstructive - o Sleep-related Hypoventilation Syndromes - o Changes in the Cardiorespiratory System - o During Sleep - o Differential Diagnosis and Evaluation - o of Sleepiness - o In-depth look at pathophysiology, diagnosis (polysomnography), and treatment options (CPAP, BiPAP, etc.)	14-15	4	b1
13	Final Exam		16	2	-
TOTAL			16	32	-
Number of Weeks /and Units Per Semester			16 weeks	2 Credits	-

B - Practical Aspect: (if any)				
S	Tasks/ Experiments	Number of weeks	contact hours	CILOs
1	Not applicable	-	-	-
TOTAL		-	-	-
Number of Weeks /and Units Per Semester		-	-	-

VI. Teaching strategies of the course:

- 69.Lecture method
- 70.Brainstorming
- 71.Demonstration
- 72.Case study discussions

VII. Schedule of Assessment Tasks for Students during the Semester

Theoretical part

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes
1	Attendance and Activities	15 th week	5	5%	a, b
2	Student assignment	5 th and 12 th week	5	5%	b
3	Mid-term exam	7 th or 8 th week	20	20%	a, b
4	Final exam	16 th -17 th week	70	70 %	a, b, c, d
Total Theory Weight			100	100%	

