



COURSE SPECIFICATION

(Advanced course in Respiratory ICU) Faculty of Medicine- Mansoura University

(A) Administrative information

(1) Programme offering the course.	MD degree of chest medicine
(2) Department offering the programme.	Chest Medicine Department
(3) Department responsible for teaching the course.	Chest Medicine Department
(4) Part of the programme.	Second Part (elective course)
(5) Date of approval by the Department's council	15-3-2016
(6) Date of last approval of programme specification by Faculty council	9-8-2016
(7) Course title.	Advanced course in Respiratory ICU
(8) Course code.	CHEST611RICU
(9) Credit hours.	1 credit hours
(10) Total teaching hours.	15 h

(B) Professional information

(1) Course Aims:

The broad aims of the course are as follows: (either to be written in items or as a paragraph)

1- To produce graduate able to acquire the competence and experience to effectively manage critically ill patients.

2- Update in the techniques for mechanical ventilation.

(2) Intended Learning Outcomes (ILOs):

Intended learning outcomes (ILOs); Are four main categories: knowledge & understanding to be gained, intellectual qualities, professional/practical and transferable skills.

On successful completion of the course, the candidate will be able to:

A- Knowledge and Understanding

A1- recognizes conventional and novel modes of mechanical ventilation

A2-Explain mechanical ventilation strategies in obstructive and restrictive lung diseases

A3-understand weaning protocol in ICU

A4-recognize different types, indication and side effects of analgesia and sedation used in ICU

A5-recognize guidelines of enteral and parenteral nutrition (indication, complication and administration)

A6-identify ethical consideration in ICU

A7- Explain ventilator graphics, ABG , oxygen saturation and other monitoring tools used in ICU

A8-identify different medical gases and indication of each

B- Intellectual skills

B1- Able to choose the best therapeutic technique for MV.

B2- describe the best way to deal with of MV

B3- able to interpret ventilator graphics

B4- able to differentiate between different weaning protocol

(3) Course content:

Subjects	Lectures	Total Teaching Hours
<u>ventilation</u>		
1- NIV	1	
2- MODES of ventilation	1	
3- Monitoring	1	
	2	
4- weaning	1	
5- physiology of MV	1	
6- ARDS	1	
7- MEDICAL GASES	1	
8- Nutrition in ICU	2	
9- Mechanical ventilation strategies in different chest diseases	1	
	2	
10-ETHICAL consideration in PCCU		
11-Sedation and analgesics		
Total teaching hours	15	15

(4) Teaching methods:

4.1. lectures, seminars, workshops

4.2. clinical sessions and work experience

4.3: Problem solving, case studies

4.4: directed and self directed learning activities

(5) Assessment methods.

5.1 Written, for assessment of Knowledge and intellectual ILOs

5.2: MCQ for assessment of Knowledge and intellectual ILOs

5.3: logbook assessment and on supervisor reports for assessment of:

- lecture attendance.

- practical and transferable skills.

- different scientific activities as attendance of workshop, conferences, seminars and thesis discussions attendance.

Percentage of each Assessment:

MCQ 5

Written exam: 20

Total: 25

(6) References of the course.

• 6.1. Hand books: Oxford handbook of respiratory medicine

• 6.2: Text books

- Fishman's Pulmonary Diseases and Disorders

- Crofton and Douglas's Respiratory Disease

- Eagan's fundamentals of respiratory care

• 6.3: Journals: Periodicals of American Journal of Chest Diseases

Periodicals of European Respiratory Journal

Periodicals of Chest Medicine

• 6.4: Websites: Update guidelines of Asthma, COPD, Lung Cancer,

Pulmonary Infections

www.GINA.com, www.GOLD.com,

(7) Facilities and resources mandatory for course completion.

Teaching rooms: Patients wards, Pulmonary function tests, Arterial Blood Gases, Respiratory Critical Care wards, Sleep Medicine Laboratory, Allergy Immunology Laboratory, Bronchoscopy wards.

Course coordinator:

Dr. MOHSEN ELSHAFFEY

Head of the department.

Prof. Mohamad khairy

Date.