

Inver Hills Community College

EMS 2464: Respiratory Emergencies

A. COURSE DESCRIPTION

Credits: 2

Lecture Hours/Week: 2

Lab Hours/Week: 0

OJT Hours/Week: *.*

Prerequisites:

This course requires the following prerequisite

EMS 2420 - Pathophysiology for EMS

Corequisites: None

MnTC Goals: None

Provides the student with knowledge to assess a patient experiencing a respiratory emergency. It includes a review in respiratory anatomy, and the physiology of respiration. Assessment techniques and equipment will be presented using stethoscopes, pulse oximetry, End-Tidal CO₂ and power ventilators. Assessment and monitoring techniques will be integrated with the care and treatment of the respiratory patient.

Prerequisites: Acceptance into the paramedic program and completion of EMS 2420 (C or better).

B. COURSE EFFECTIVE DATES: 08/16/2021 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Respiratory patient assessment.
Respiratory monitoring devices such as Pulse oximetry, ETCO₂, EKG, Stethoscope, CPAP/BiPAP and Ventilators.
Breathing emergencies such as, but not limited to; Asthma, COPD, ARDS, Pneumonia, Pulmonary Embolism, Cystic Fibrosis.
Pharmacology utilized by common protocols for respiratory emergencies.
Protocols commonly issued for respiratory emergencies.
Airway maintenance devices such as OPA, NPA, ETT, Supra-glottic adjuncts, Ventilators
Transport priorities and care en route to the appropriate hospital.

D. LEARNING OUTCOMES (General)

1. Relate respiratory anatomy and physiology and how it applies to respiratory emergencies.
Discuss respiratory assessment techniques and how they relate to patient care.
Describe symptoms commonly associated with respiratory emergencies such as Asthma, COPD, Pneumonia, Pulmonary Embolism, and other associated respiratory diseases.
Explain the use of respiratory monitoring devices such as pulse oximetry, end-tidal CO₂, CPAP.
2. Identify adventitious lung sounds and associate them with common respiratory emergencies.
Evaluate the efficacy of current treatment plan and revise treatment as needed.
Formulate a plan for the continued care and transport of your patient.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted