

Northwest Arkansas Community College
Division of Health
Paramedic Science Program

Discipline Code

EMTP

Course Number

1011

Course Title

Emergency Respiratory Care

Catalog Description

Management and treatment of respiratory emergencies involving adults and children. Disease process, treatments, and advanced airway management will also be covered.

Prerequisite

Admission by acceptance into the Paramedic Program only.

Credit Hours

1 credit hours

Contact hours

28 hours

Load hours

1 load hours

Semesters Offered

On demand

ACTS Equivalent

Non-Transferable Course

Grade Mode

A-F

Learning Outcomes

Upon successful completion of course the student will be able to:

1. Describe the basic physiology of pulmonary respiration/oxygenation.
2. Describe the physiology of pulmonary gas exchange and diffusion.
3. Identify basic respiratory anatomical structures.
4. List measures of respiratory functions and normal values for each.

5. Perform effective auscultation of the chest.
6. Identify abnormal breath sounds per auscultation.
7. Select appropriate oxygenation adjuncts and settings for various problems.
8. Explain parameters for pulse oximetry and limitations of use.
9. Perform a complete and rapid patient assessment for a respiratory complaint.
10. Describe the underlying patho-physiological basis for asthma, COPD, CHF, pneumonia, pulmonary embolus, and hyperventilation syndrome.
11. List appropriate treatment methodology for the above mentioned entities.
12. Identify, calculate, draw-up, and administer appropriate pharmacological regimens for the treatment of specific respiratory emergencies in adults.
13. Develop an effective prehospital, emergency care treatment plan for adult patients presenting with respiratory problems.

General Education Outcomes Supported

- Students develop higher order thinking skills.
- Students can employ a variety of sources to locate, evaluate, and use Information.

Standard Practices Topics list

N/A

Learning Activities

This course employs multiple skills acquisitions that are required for successful completion.

- Proper Airway management skills basic including bag-valve-mask, oral and nasal airway, suctioning
- Proper Airway management skill advanced including oral intubation, insertion of alternate airway devices such as iGel, King, and others.
- Airway assessment on simulated human patients and high fidelity manikins

Assessments

- Skills acquisition on airway management
- Chapter exams and quizzes

Grading guidelines

Grades are cumulative from chapter exams.

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