

**NorthWest Arkansas Community College Health Professions
Paramedic Science Program**

Discipline Code

EMTP

Course Number

1071

Course Title

Medical Emergencies I Lecture

Course Description:

The pathophysiology, assessment, and prehospital emergency treatment of the following emergencies as encountered by field paramedics: Diabetes, Seizures, Cerebral Vascular Accident, Gastrointestinal, Genitourinary, Toxicological, and Advanced Airway Management

Prerequisite:

Admission into the paramedic program and enrolled as a student at NWACC

Target Audience and Transferability:

This course is not intended to transfer into a four year institution unless the student is transferring into an institution that has a paramedic degree specifically. The student will need to obtain transfer information from the institution he/she is transferring to in order to determine transferability.

Credit Hours

1 credit hours

Contact hours

16 contact hours

Load hours

1 load hours

Semesters Offered

Fall

ACTS Equivalent

Non Transferrable

Grade Mode

A-F

Learning Outcomes

1. Describe the basic physiology of carbohydrate metabolism
2. Explain the physiological function of insulin in the body

3. List the signs and symptoms of hypo and hyperglycemia
4. Indicate specific recommended treatment for diabetic emergencies
5. Demonstrate appropriate treatment of a diabetic patient
6. Describe the difference between hemorrhagic and thrombotic stroke
7. Identify typical signs and symptoms of stroke
8. List appropriate BLS and ALS treatment modalities for stroke patients
9. Explain the etiology of seizure in adults and pediatric populations
10. Describe the stages of a generalized motor seizure
11. Indicate appropriate pharmacological treatment of seizure
12. Perform appropriate treatment modalities for seizure patients
13. List the typical gastrointestinal maladies encountered by paramedics
14. Demonstrate appropriate assessment techniques for these problems
15. Perform correct field treatment of gastrointestinal emergencies
16. Explain and demonstrate treatment of O.D. emergencies

Assessments

- Written Exams

Grading guidelines

- Written exams make up the total points for grading.

General Education Outcomes Supported

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