

# NorthWest Arkansas Community College

## Standard Course Outline

### EMTP 1123            Medical Emergencies I

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

**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

**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:** 3 credit hour

**Instructional Material:** Current edition of selected paramedic text and workbook  
ALS Field Guide  
Selected citations from the current literature base in emergency medicine (from instructors library)  
Paramedic Care, Mosby 2<sup>nd</sup> Edition  
On-Line Searches of Current Scientific Literature  
Audio visual tapes in EMS library

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

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