

**NORTHWEST ARKANSAS COMMUNITY COLLEGE  
STANDARD COURSE OUTLINE  
DIVISION OF HEALTH**

**Course Number and Title**

EMTP 1204 Paramedic Clinical Practicum II

**Course Description**

During this time the student will continue to refine their IV initiation and medication administration skills. A significant emphasis will be placed on advanced patient assessment involving adult patients with both traumatic and medical etiologies. At the completion of this course, the paramedic student should be able to effectively perform an advanced level patient assessment, arrive at an acceptable diagnosis, and formulate an appropriate pre-hospital treatment plan for adult aged patients presenting with common acute and chronic medical problems as well as traumatic injuries.

**Credit Hours/Contact Hours**

This is a four (4) credit hours course that typically will not transfer to other institutions. Contact Hours vary depending on patient load/exposure. Typically 380 hours is required to complete this section.

**Target Audience/Transferability**

Only Emergency Medical Technicians accepted into the paramedic program may take this course. This course may not be taken by itself as a standalone course. Students must be accepted into the paramedic program and be in good standing to take this course. This course is specialized to the NWACC Paramedic Program and it typically does not transfer to other institutions.

**Student Learning Outcomes**

Upon completion of this course the student will:

Possess the knowledge and skills necessary to perform the duties of a paramedic.

Perform a proper patient assessment and determine the medical diagnosis needed to formulate a patient care plan and execute that plan on a given patient.

Perform the acts necessary to function as a lead paramedic on the scene of a traumatic injury accident.

Formulate a care plan for a given trauma patient and execute that plan in a timely manner.

Interpret vital signs and other diagnostic information into a working patient diagnosis that will allow the student to provide lifesaving emergency care to that patient.

Judge the patient care being given by First Responders and EMTs and determine the worthiness of that treatment.

Apply a standard treatment plan as outlined in the Regional protocols for a given emergency situation on a real patient.

Recognize scene hazards and patient hazards and create a plan of action to keep him/herself safe as well as the crew.

**Topics/Procedures**

Minimum Required skills include:

The Student will assess, develop a diagnosis, and formulate a treatment plan for:

Adult Patients: In the emergency department, the student will conduct an effective advanced level patient assessment on adult patients presenting with multi-systems trauma, chest pain, abdominal pain, altered level of consciousness, respiratory distress, diabetes mellitus, possible cerebral vascular accident, and/or seizure disorders.

The student will formulate an appropriate pre-hospital treatment plan for these patients. (Log all assessments on Patient Assessment Log) Adult Patient Assessment: Minimum: 50 urgent/emergent adult patients. (From ER or Pre-hospital)\*\* A total of 100 patient assessments must be completed. Some categories will overlap.30 Chest Pain assessments 20 Respiratory Distress assessments 10 Syncope assessments 20 OB assessments (you will not get many OB assessments at Willow Creek.

The student will use every opportunity to assess the pregnant patient during their emergency department and EMS clinical rotation time.) 20 Altered Level of Consciousness assessments 10 Psychiatric Patient assessments 30 successful IV insertions, (20 of which to be placed outside the AC space) 20 IV medication bolus prep, calculations, and administrations 15 IM medication calculations, preparations, and administrations Utilization of IV pumps (i.e. Travenol, Plum, etc.) 16-24 Hours: O.R. ANESTHESIA CLINICAL ROTATION During this time the student will be assigned a 2-3 day rotation with an anesthesiologist or certified registered nurse anesthetist and will observe and perform patient ventilatory assistance and endotracheal intubation in the operating room. You will be assigned an OR. DO NOT go to SURGERY until you are released by the clinical coordinator.

Required skills include: 5- (3 minimum) successful oral intubations along with ventilatory assistance as needed in live patients (operating room). 10 successful intubations with no mistakes using the national check off form (lab room) 1 graded intubation by faculty 10 successful CombiTube placements with no mistakes using the national check off form 1 graded CombiTube placement by faculty (Sign off sheet provided)

Watch and document viewing of two assigned Airway Cam videos and return to Health Profession. During this time the student will observe and assist with patients on ventilators, endotracheal tube suctioning, medication infusion(s) via IV pump, pain and sedation management, post emergent care of both medical and trauma patients, assist nursing staff as needed with routine care of the patient, invasive monitoring procedures, care and use of central venous lines, care and use of shunts and feeding tubes, and wound care.

### **EMS Service Clinical Rotation**

During this time the student will continue to participate as a 3<sup>rd</sup> rider with a designated paramedic level ambulance service. Students will practice both EMT basic and advanced level skills under the direction of the lead paramedic. The student will be required to respond to a minimum of **25 emergency calls** where ALS level care was provided and the student successfully participated in the advanced care. **ALS care includes initiating one (1) of the following: IV access, ECG monitoring and interpretation including 12 lead ECG interpretation and fax, IV, ET, IO, or IM medication administration, advanced airway maneuvers.** Students will also be required to perform advanced level patient assessment at the discretion of the lead paramedic. At the completion of these requirements, the paramedic preceptors and training officers will evaluate the student's performance and readiness to advance to the next clinical phase of the program.

(Documentation and sign off sheet provided: see "Paramedic Student EMS Patient Encounter and ALS Care Record" for EMTP 2004: Paramedic Clinical Practicum II)

**Required Methods of Instruction**

Students will be taught in the clinical setting utilizing what they have already learned in the classroom and lab. One on One instruction will occur with a designated preceptor/mentor

**Required Assessment**

The following skills and behavior will be evaluated utilizing the "evaluation form" included in the clinical handbook Patient Communication. Professional Behavior. Team leadership Advanced level adult patient assessment, diagnosis, and formulation of an appropriate pre-hospital treatment plan for adult patients presenting with acute and chronic medical problems and traumatic injuries. Preparation will occur during the preceding weeks in the classroom environment as well as the hospital and the pre-hospital setting. IV set up, insertion, securing, and drip rate calculation for adult patients.