

Texarkana College Paramedic Program

Course Syllabus

Name of Course: EMSP 2361 Clinical-EMT (Paramedic I)

Course Description: A health-related, work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision of the student is provided by the clinical professional.

Learning Outcomes: The student will apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

Key Concepts and General Course Plan: This course provides the Paramedic student with the opportunity to transfer the medical concepts, principles, and skills learned in the classroom and lab to direct patient care. The intent is for the student to be a part of the hospital and prehospital team as patient care is delivered in the Emergency Department, Respiratory Care and/or Intensive Care Units, and EMS Advanced Life Support Units.

Didactic, Psychomotor and Affective Learning Objectives: Upon successful completion of EMSP 2361, the student will be expected to have at least met the minimum required hours in the classroom and skills laboratory; in addition to the specified number of hours in the various hospital and EMS areas as detailed in the current Paramedic Course Terminal Competency matrix. Due to limits on patient availability in the clinicals areas, it is possible that not all objectives may be achieved. If this occurs, scenarios and simulations in the laboratory may be substituted for a portion of the human experience. Students are not allowed to perform any skills in the clinical setting that have not been previously practiced and evaluated in the lab. The following skills are approved:

1. Verify competency of all skills performed at the EMT level.
2. Perform an advanced patient assessment using the following:
 - a. Auscultation
 - b. Inspection
 - c. Percussion
 - d. Palpation
3. Perform or Observe Advanced Airway Management (under direct supervision of a qualified advanced provider)
 - a. Combi-Tube or King-Airway
 - b. Pediatric Endotracheal Intubation
 - c. Adult Endotracheal Intubation
 - d. Naso-tracheal Intubation (demonstration only)
 - e. Endotracheal suctioning with sterile technique
 - f. Tracheostomy care
 - g. Needle Thoracotomy

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- h. Nasogastric Decompression
- i. Orogastic Decompression
- j. Drug Assisted Intubation / Rapid Sequence Induction
- k. Use of Paralytic Agents in Emergency Intubation
- l. Needle Cricothyrotomy
- m. Surgical Cricothyrotomy
- n. Laryngeal Mask Airway
- 4. Perform Advanced Respiratory Support
 - a. Note arterial blood gas values and changes relative to oxygen therapy and ventilation
 - b. Ventilate intubated patients with the bag-valve device
 - c. Note and monitor trends of pulse oximetry, capnometry and/or capnography
- 5. Assist in the Advanced Treatment of Trauma Cases
 - a. IV fluid replacement
 - b. Needle decompression of suspected tension pneumothorax
- 7. Assist and Observe IV Fluid Administration
 - a. Fluid type used for patient's condition
 - b. Rate of administration
 - c. Type of IV tubing
 - d. Drip rate calculation
 - e. IV set-up procedures
 - f. Note IV sites used
 - g. Intraosseous infusions
- 8. Observe Blood or Blood Product Transfusions
 - a. Blood type and crossmatch procedures
 - b. Note product type used for patient condition
 - c. Observe for signs or symptoms of hemolytic reaction
- 9. Perform IV Insertions, Under Supervision of the Clinical Preceptor
 - a. Peripheral sites
 - b. Establish with a butterfly catheter
 - c. Establish with an over-the-needle catheter
 - d. Set the prescribed drip rate
 - e. External jugular
 - f. Intraosseous
- 10. Draw Blood Samples (Not to include ABG's, blood alcohol, or blood for highly sophisticated laboratory analysis) *** Students are permitted, no more than (2) attempts per patient
 - a. Demonstrate aseptic technique
 - b. Use a vacutainer
 - c. Use an over-the-needle catheter (angiocath) and syringe
 - d. Use a scalp vein needle (butterfly catheter) and syringe
- 11. Document Advanced Procedures Appropriately
 - a. Alternate airway devices
 - b. Endotracheal intubation
 - c. IV insertions

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12. Assist or observe in any procedure, authorized by the attending physician and/or preceptor, which will increase understanding of illness and/or injury pathophysiology.

Methods of Instruction: Observation and assistance with direct patient care opportunities in hospital and prehospital settings.

Required Textbooks: Nancy Caroline's Emergency Care in the Streets, 8th Ed., AAOS, JB Learning, 2017, with online access to Navigate 2 Essentials, ISBN: 9781284104882.

Required Supplies: Program approved EMS uniform, PPE and assessment tools as listed in the EMT Student Handbook. All Paramedic students will receive an access code and instructions to utilize FISDAP (Field Internship Student Data Acquisition Project) Scheduler and Skills Tracker.

Methods of Evaluation: All students will need to follow the Clinical Guidelines as specified in the EMT Student Handbook as it relates to the required documentation. The forms included on pages 4-7 of this syllabus must be completed at the end of each patient encounter and/or shift by the student and the preceptor. In addition, the student will be responsible for entering all the appropriate data in FISDAP and then submitting the paper copies to the Clinical Coordinator for review. All this will become part of the student's portfolio and will be used to track their progress towards acquisition of the expected terminal competencies. To successfully complete this segment of the program and be eligible to proceed into the next phase; the student will be expected to meet all the didactic, laboratory, and clinical/field assignments listed in the First Semester section of the required Paramedic Course Terminal Competencies. In addition, it is recommended that the student has at least 30-35% of the minimum patient assessments in the various age ranges, chief complaints and impressions completed by the end of this course of study.

Methods to Evaluate Learning Outcomes: All Paramedic students will be fairly and equally evaluated in all learning domains; including didactic, psychomotor and affective. Once all required evaluations have been completed and submitted to the faculty for review; the numeric values will be averaged and the final grade will be calculated by the following rubric:

90 – 100	= A
80 – 89.99	= B
70 – 79.99	= C
60 – 69.99	= D
0 – 59.99	= F

*TC does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs or activities.
The following person has been designated to handle inquiries regarding the nondiscrimination policies: Human Resources Director,
2500 N. Robison Rd., Texarkana, TX, 75599, (903) 823-3017 human.resources@texarkanacollege.edu*

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STUDENT: _____

AGENCY: _____

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Clinical Psychomotor Skills Evaluation

This is a general psychomotor skills performance evaluation of the paramedic student by the clinical preceptor.

Skill Grading	4	Proficient	Field Competent	
	3	Acceptable	Appropriate for Time in Clinical	
	2	Unacceptable	Needs Remediation	comment required
	1	Dangerous to Practice	Needs Structured	comment required

Patient Assessment/History Taking Skills <i>Primary Injury Prevention Awareness</i>	4	3	2	1
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Airway Management Skills <i>Basic and advanced airway techniques</i>	4	3	2	1
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IV Related Skills <i>Set-up, venipuncture technique, drip rate</i>	4	3	2	1
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Medication Administration Skills <i>5 R's, general ability</i>	4	3	2	1
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EKG Recognition Skills <i>Quality of independent analysis</i>	4	3	2	1
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Student Knowledge <i>Paramedic diagnoses and treatment, terminology</i>	Consistently exhibits mastery of all clinical objectives and skill events	4
	Usually exhibits mastery of all clinical objectives and skill events	3
	Exhibits mastery of 50% of all clinical objectives and skill events	2
	Student unprepared or shows poor performance of clinical objectives and skills	1

Comments/Concerns/Recommendations:

Evaluative Recommendation for Progression to Field Internship

4	Fully Competent in ALS Skills	No Review
3	Entry Level ALS Competent	Skills will improve with field experience
2	Need Select Remediation of Skills	Needs work on designated Skills
1	Needs Full Remediation on skills	Must meet with program officials

Preceptor _____	Date _____	Reviewer _____
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STUDENT: _____

AGENCY: _____

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Clinical Affective Aptitude Evaluation

Student Initiative – Self Motivation Resourcefulness-Assertiveness		Taking initiative to complete assignments, improve and/or correct behavior; shows enthusiasm for learning and improvement; consistently strives for excellence in all aspects of patient care and professional activities; accepts preceptor feedback in a positive manner; takes advantage of learning opportunities.
_____	4	Consistently performs delegated tasks and seeks additional responsibilities
_____	3	Usually performs delegated tasks and seeks additional responsibilities
_____	2	Slow to perform delegated tasks and to seek additional responsibilities
_____	1	Minimal effort to perform delegated tasks and seek additional responsibilities
Student Self Confidence-Integrity Degree of Reassurance-Level of Trust		Demonstrates the ability to trust personal judgement, awareness of strengths and weaknesses; exercises good personal judgement; consistently honest; trusted with property of others; trusted with confidential information; complete and accurate documentation of patient care and learning activities.
_____	4	Consistently performs tasks without reassurance of responsibilities
_____	3	Usually performs tasks without reassurance or instruction
_____	2	Requires reassurance or instruction for 50% of assigned tasks
_____	1	Requires reassurance or instruction for almost all tasks
Student Empathy-Patient Advocacy Compassion-Provision of Support		Shows compassion for others; responds appropriately to the emotional response and family members; supportive and reassuring to others; places needs of patient above self-interest; protecting and respecting patient confidentiality and dignity.
_____	4	Consistently exhibits compassion for others, supportive-reassuring, respects patients confidentiality and dignity
_____	3	Usually exhibits compassion for others, supportive-reassuring, respects patients confidentiality and dignity
_____	2	Requires reassurance or instruction for 50% of patient encounters, hesitant to show compassion for others
_____	1	Requires constant guidance or instruction, fails to demonstrate compassion and respect for others
Student Dependability-Time Management Appearance and Personal hygiene-Punctuality		Clothing and uniform is appropriate, neat, clean, well maintained; good personal hygiene and grooming; consistently punctual; completes tasks and assignments on time.
_____	4	Consistently on time or notifies program; always presents a professional appearance
_____	3	Usually on time or notifies program; generally presents a professional appearance
_____	2	On-time (50%) or notifies program; generally presents a professional appearance
_____	1	Rarely on time and fails to notify program; rarely presents a professional appearance
Communications Verbal, Writing, Listening Skills		Speaks clearly, writes legibly; listens actively; adjusts communication strategies to various situations.
_____	4	Consistently exhibits good judgement and demonstrates clear and concise communications skills.
_____	3	Usually exhibits good judgement and demonstrates adequate communications skills
_____	2	Rarely exhibits good judgement and demonstrates difficulty in demonstrating adequate communication skills
_____	1	Fails to exhibit good judgement and demonstrates poor communication skills
Respect Professional Behavior-Attitude		Polite to others; doesn't use derogatory or demeaning terms; refrains from using inappropriate language; behaves in a manner that brings credit to the profession.
_____	4	Consistently demonstrates professional behavior and mannerisms
_____	3	Usually demonstrates professional behavior and mannerisms
_____	2	Requires occasional counseling for behavior and sometimes ill-mannered
_____	1	Requires constant counseling for behavior and frequently ill-mannered
Other Affective Domain Areas for Written Comment (Productivity; Stress Tolerance; Professional Ethics; Teamwork and Diplomacy)		

Preceptor	Date	Reviewer

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TEXARKANA COLLEGE Patient Care Report

FISDAP PATIENT CARE REPORT AND NARRATIVE											
Student: _____				Shift Date: ____/____/____				Run # _____			
Agency: _____				Unit: _____				Preceptor: _____			
ETHNICITY		M F		DISPATCH		MEDICAL COMPLAINT				TRAUMA COMPLAINT	
African American ☐				No lights & Sirens ☐		☐ Abdominal		☐ OD-Poison		☐ Abdomen ☐ Pelvic	
American Indian ☐				Upgraded ☐		☐ Cardiac		☐ Psychiatric		☐ Chest TRIAGE:	
Asian ☐		AGE		Lights & Sirens ☐		☐ CVA		☐ Respiratory		☐ Extremities ☐ Green ☐	
Caucasian ☐		_____		Downgraded ☐		☐ Diabetic		☐ Seizure		☐ Head/Face ☐ Yellow ☐	
Hispanic ☐						☐ OB/GYN		☐ Sepsis		☐ Neck/Back ☐ Red ☐	
Other ☐						☐ Other				☐ Multi-system ☐ Black ☐	
MECHANISM OF INJURY											
☐ None		☐ Driver MVA		☐ Passenger MVA		☐ Auto-Pedestrian		☐ Motorcycle		☐ Fall/Jump	
☐ Airbag		☐ Seatbelt		☐ Entrapment		☐ Ejection		☐ Rollover		☐ Blunt	
☐ Penetrating Injury – Type _____						☐ Other _____					
MEDICATIONS:											
PAST MEDICAL HX:											
ALLERGIES:											
Time		BP		Pulse		Resp		A		V P U	
Time		BP		Pulse		Resp		A		V P U	
Eyes Open ☐		☐ Spontaneous 4		☐ To Voice 3		☐ To Pain 2		☐ None 1		Glasgow Score = _____	
Verbal ☐		☐ Orient 5		☐ Confused 4		☐ Inappropriate 3		☐ Garbled 2		☐ None 1	
Motor ☐		☐ Obey Comm 6		☐ Pain/Local 5		☐ Pain/Withdraw 4		☐ Pain/Flexion 3		☐ Pain/Ext 2 ☐ None 1	
BLS AIRWAY		☐ NC		☐ NRB		☐ Nasal airway		☐ Oral airway		☐ BVM @ _____ L/Min	
ALS AIRWAY		☐ PTL		☐ Surgical		☐ Nasal ET		☐ Oral ET		Attempts X _____ Success Y N ET size _____	
Pulse Ox on room air ⇒		%		After O2 ⇒		%		Glucometer ⇒		_____	
IV / IO Attempts: _____		Success: Y N		Site: _____		Gauge: _____		Solution: _____		Time: _____	
<i>Rhythm strips must be attached for all monitored patients.</i>											
ELECTRICAL THERAPY		ENERGY LEVELS		STUDENT		TEAM		EKG INTERPRETATION		STUDENT	
MANUAL DEFIBRILLATION		_____		☐		☐		Rhythm 1		☐	
AUTOMATED DEFIBRILLATION		_____		☐		☐		Rhythm 2		☐	
TRANSCUTANEOUS PACING		_____		☐		☐		Rhythm 3		☐	
SYNCHRONIZED CARDIOVERSION		_____		☐		☐		Rhythm 4		☐	
ALS MEDICATION											
DRUG		DOSE		ROUTE		STUDENT		TEAM		DRUG	
_____		_____		_____		☐		☐		_____	
_____		_____		_____		☐		☐		_____	
_____		_____		_____		☐		☐		_____	

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BLS CARE			BCLS CARE		
PLEASE DESCRIBE / # SKILLS PERFORMED BY STUDENT OR TEAM	STUDENT	TEAM	PLEASE DESCRIBE / # PERFORMED BY STUDENT OR TEAM	STUDENT	TEAM
PATIENT INTERVIEW	☐	☐	WITNESSED ARREST	☐	☐
PHYSICAL EXAM	☐	☐	ROSC DURING TRANSPORT	☐	☐
HOSPITAL NOTIFICATION	☐	☐	ROSC AT RELEASE	☐	☐
MEDICAL CONTROL CONSULT	☐	☐	NO ROSC AT ANY TIME	☐	☐
VITAL SIGNS	☐	☐	SUCTION	☐	☐
O ₂ ADMINISTRATION	☐	☐	CHEST COMPRESSIONS	☐	☐
BANDAGING	☐	☐	VENTILATIONS	☐	☐
TRACTION SPLINT	☐	☐	BLS airway adjunct	☐	☐
C-SPINE IMMOBILIZATION	☐	☐	AIRWAY ADJUNCT TYPE:		
LONG BACKBOARD	☐	☐	ALS CARE – OTHER		
LONG BONE IMMOBILIZATION	☐	☐	DESCRIBE / # PERFORMED	STUDENT	TEAM
STUDENT PHYSICALLY INVOLVED IN LIFTING PATIENT	☐ YES ☐ NO		CHEST DECOMPRESSION	☐	☐
STUDENT NOTES			CRICOTHYROIDOTOMY	☐	☐
			12 LEAD ECG	☐	☐
			PULSE OXIMETRY	☐	☐
			BLOOD GLUCOSE	☐	☐

Assessment-Based Management/Plan/Treatment Narrative (continued)

You performed the: Patient Interview ☐ Patient Exam ☐ Successfully managed the patient's airway ☐

Scene Size-Up:

Primary Impression:

Secondary Impression:

Other:

Patient Disposition: Cancelled ☐ DOS ☐ Field Term. ☐ No Pt. ☐ No Treatment ☐ Pt. Refused ☐

Transport Mode From Scene: Treated & Refused Transport ☐ Treated & Released ☐ Transferred Care ☐ Treated & Transported ☐

Initial Lights & Sirens / Downgraded ☐ No Lights or Sirens ☐

Initial No Lights or Sirens / Upgraded ☐ Lights & Sirens ☐

Preceptor Signature: _____ MD, RN or Paramedic

Comments: