

Bossier Parish Community College
Master Syllabus

Course Prefix and Number: EMTP 204

Credit Hours: 3

Course Title: Treatment of the Trauma Patient

Course Prerequisites: EMTP 202

Textbooks: Bledsoe, Paramedic Care Principles and Practice Volume 4, 5th edition

Course Description:

Integration of physiological principles and assessment findings to formulate a field impression and implement the treatment plan for the trauma patient. Integrated lecture and laboratory instruction. In order to register for EMTP 201 - EMTP 215 student must have been selected for the program.

Learning Outcomes:

- A. At the end of this course, the paramedic student will demonstrate the knowledge, skill and ability to manage a simulated trauma patient in the out of hospital environment.

To achieve the learning outcomes, the student will

1. Demonstrate professional behavior consistent with the BPCC Paramedic Program Code of Conduct.
2. Perform an assessment on a simulated adult trauma patient while meeting the criteria on an approved skill sheet.
3. Perform a needle cricothyrotomy on a simulated patient while meeting the criteria on an approved skill sheet.
4. Manage a simulated patient with thoracic trauma
 - 4.1. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with traumatic aortic disruption.
 - 4.2. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with a pulmonary contusion.
 - 4.3. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with a blunt cardiac injury.
 - 4.4. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with a hemothorax.
 - 4.5. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with an open pneumothorax.
 - 4.6. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with a simple pneumothorax.

- 4.7. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with a tension pneumothorax.
 - 4.7.1. Perform pleural decompression on a simulated patient while meeting the criteria on an approved skill sheet.
- 4.8. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with a cardiac tamponade.
- 4.9. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with rib fractures.
- 4.10. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with a flail chest.
- 4.11. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with commotion cordis.
- 4.12. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with tracheobronchial disruption.
- 4.13. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with diaphragmatic rupture.
- 4.14. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with traumatic asphyxia.
5. Manage a simulated patient with abdominal or genitourinary trauma.
 - 5.1. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with a vascular injury.
 - 5.2. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with solid and hollow organ injuries.
 - 5.3. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with evisceration.
 - 5.4. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with retroperitoneal injuries.
 - 5.5. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with injuries to the external genitalia.
6. Manage a simulated patient with orthopedic trauma.
 - 6.1. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a laceration, transection and or rupture of the Achilles and patellar tendons.
 - 6.2. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a pediatric patient with fracture.
 - 6.3. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with orthopedic trauma to the extremities.
 - 6.3.1. Apply a splint to a simulated patient with a closed fracture while meeting the criteria on an approved skill sheet.
 - 6.3.2. Apply a traction splint to a simulated patient with a femur fracture while meeting the criteria on an approved skill sheet.
 - 6.4. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with an open fracture.
 - 6.5. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with a closed fracture.

- 6.6. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with a dislocation.
- 6.7. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with an amputation.
- 6.8. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with a sprain or strain.
7. Manage a simulated patient with soft tissue trauma.
 - 7.1. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with an avulsion.
 - 7.2. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with a laceration.
 - 7.2.1. Manage a simulated patient with arterial bleeding while meeting the criteria on an approved skill sheet.
 - 7.3. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with a bite wound.
 - 7.4. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with a puncture wound.
 - 7.5. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with an electrical burn.
 - 7.6. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with a chemical burn.
 - 7.7. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with a thermal burn.
 - 7.8. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with a radiation burn.
 - 7.9. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with a high-pressure injection.
 - 7.10. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with crush syndrome.
8. Manage a simulated patient with trauma to the head, face, neck or spine.
 - 8.1. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with a foreign body in the eye.
 - 8.2. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with dental trauma.
 - 8.3. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with a facial fracture.
 - 8.4. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with an orbital fracture.
 - 8.5. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with a perforated tympanic membrane.
 - 8.6. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with a skull fracture.
 - 8.7. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with penetrating neck trauma.
 - 8.8. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with laryngotracheal injuries.

- 8.9. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with a dislocation or subluxation of the spine.
- 8.10. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with a spinal fracture.
- 8.11. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with a strain or sprain of the spine.
- 8.12. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with a mandibular fracture.
9. Manage a patient with nervous system trauma.
 - 9.1. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with cauda equine syndrome.
 - 9.2. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with nerve root injury.
 - 9.3. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with peripheral nerve injury.
 - 9.4. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with traumatic brain injury.
 - 9.5. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with spinal cord injury.
 - 9.5.1. Immobilize a simulated, seated, adult patient with a suspected spinal injury while meeting the criteria on an approved skill sheet.
 - 9.5.2. Immobilize a simulated, supine, adult patient with a suspected spinal injury while meeting the criteria on an approved skill sheet.
 - 9.6. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with spinal shock.
 - 9.7. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with neurogenic shock.
 - 9.8. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with autonomic dysreflexia.
10. Manage a simulated trauma patient with special considerations.
 - 10.1. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a pregnant trauma patient.
 - 10.2. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a pediatric trauma patient.
 - 10.3. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a geriatric trauma patient.
 - 10.4. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a cognitively impaired trauma patient.
11. Manage a simulated patient with trauma related to the environment.
 - 11.1. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with near drowning.
 - 11.2. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with temperature related illness.
 - 11.3. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with a bite and/or envenomation.

- 11.4. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with high altitude illness.
- 11.5. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with a diving injury.
- 11.6. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with an electrical injury.
12. Manage a patient with multi-systems trauma.
 - 12.1. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with multisystem trauma.
 - 12.2. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with a blast injury.
 - 12.3. Demonstrate knowledge of the anatomy, physiology, pathophysiology, assessment and management of a patient with hemorrhagic shock.

Course Requirements

To earn a grade of “C” or higher the student must earn 70% of the total points for the course and meet all of the following course requirements.

- Attend 90% of all class sessions.
- Score a minimum of 33 on the Paramedic Program Affective Evaluation with no topic area receiving a score of 2 or less.
- Pass the final written exam.
- Pass the Therapeutics exam.
- Demonstrate competency in all assigned lab skills
- Must have a C or above to continue in the Paramedic Clinical Program

Course Grading Scale:

- A- 90% or more of all possible points and meet the Course Requirements.
- B- 80% or more of all possible points and meet the Course Requirements
- C- 70% or more of all possible points and meet the Course Requirements
- D- 60% or more of all possible points and meet the Course Requirements
- F- less than 60% of all possible points or fail to meet the Course Requirements

Attendance Policy: The college attendance policy, which is available at <http://www.bpcc.edu/catalog/current/academicpolicies.html>, allows that “more restrictive attendance requirements may apply to some specialized classes such as laboratory, activity, and clinical courses because of the nature of those courses.” The attendance policy of the Paramedic program is described in the Paramedic Clinical Handbook.

Nondiscrimination Statement

Bossier Parish Community College does not discriminate on the basis of race, color, national origin, gender, age, religion, qualified disability, marital status, veteran's status, or sexual

orientation in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of its operations. Bossier Parish Community College does not discriminate in its hiring or employment practices.

COORDINATOR FOR SECTION 504 AND ADA

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Reviewed by J. Anderson/ June 2021