

Northwest Arkansas Community College

Division of Health Professions

Discipline Code

EMTA

Course Number

1061

Course Title

EMT Basic Emergency Medical Technician II Lab

Catalog Description

This course is taught in conjunction with EMTA 1062. Lab scenarios and skills will be performed and documented by the student as required by the Arkansas Department of Health. Preparation for State Board Exam practical will also be performed.

Credit Hours

1 credit hours

Contact hours

16 contact hours

Load hours

3 load hours

Semesters Offered

Fall, Spring & Summer

ACTS Equivalent

None

Grade Mode

A-F

Learning Outcomes

Students will be able to

1. Demonstrate the emergency medical care of closed soft-tissue injuries.
2. Demonstrate the emergency medical care of a patient with an open chest wound.
3. Demonstrate how to control bleeding from an open soft-tissue injury.
4. Demonstrate the emergency medical care of a patient with an open abdominal wound.
5. Demonstrate how to stabilize an impaled object.
6. Demonstrate how to care for a burn.
7. Demonstrate the emergency medical care of a patient with a chemical, electrical, thermal, inhalation, or radiation burn.

8. Demonstrate the removal of a foreign object from under a patient's upper eyelid.
9. Demonstrate the stabilization of a foreign object that has been impaled in a patient's eye.
10. Demonstrate irrigation of a patient's eye using a nasal cannula, bottle, or basin.
11. Demonstrate the care of a patient who has a penetrating eye injury.
12. Demonstrate how to control bleeding from a neck injury.
13. Demonstrate how to perform a jaw-thrust maneuver on a patient with a suspected spinal injury.
14. Demonstrate how to perform manual in-line stabilization on a patient with a suspected spinal injury.
15. Demonstrate how to immobilize a patient with a suspected spinal injury to a long backboard.
16. Demonstrate how to immobilize a patient with a suspected spinal injury who was found in a sitting position.
17. Demonstrate how to immobilize a patient with a suspected spinal injury who was found in a standing position.
18. Demonstrate how to apply a cervical collar to a patient with a suspected spinal injury.
19. Demonstrate how to immobilize a patient with a suspected spinal injury to a short backboard.
20. Demonstrate how to remove a helmet from a patient with a suspected head or spinal injury.
21. Demonstrate the alternate method for removal of a football helmet from a patient with a suspected head or spinal injury.
22. Understand the mechanics of ventilation in relation to chest injuries.
23. Describe the differences between an open and closed chest injury.
24. Recognize the signs of chest injury.
25. Differentiate between a pneumothorax (open, simple, and tension) and hemothorax.
26. Describe the complications of cardiac tamponade.
27. Describe the complications of rib fractures.
28. Describe the complications of a patient with a flail chest.
29. Explain the complications of a patient with an open pneumothorax (sucking chest wound).
30. Recognize the complications that can accompany chest injuries.
31. Describe the management and perform the skill of a patient with a suspected chest injury, including pneumothorax, hemothorax, cardiac tamponade, rib fractures, flail chest, pulmonary contusion, traumatic asphyxia, blunt myocardial injury, commotio cordis, and laceration of the great vessels.
32. Demonstrate proper emergency medical care of a patient who has experienced a blunt abdominal injury.
33. Demonstrate proper emergency medical care of a patient who has a penetrating abdominal injury with an impaled object.
34. Demonstrate how to apply a dressing to an abdominal evisceration wound.
35. Demonstrate the assessment of neurovascular status.
36. Demonstrate the care of musculoskeletal injuries.
37. Demonstrate how to apply a rigid splint.
38. Demonstrate how to apply a zippered air splint.
39. Demonstrate how to apply an unzipped air splint.
40. Demonstrate how to apply a vacuum splint.
41. Demonstrate how to apply a Hare traction splint.
42. Demonstrate how to apply a Sager traction splint.
43. Demonstrate how to apply a pneumatic antishock garment (PASG).
44. Demonstrate how to splint the hand and wrist.
45. Demonstrate how to splint the clavicle, the scapula, the shoulder, the humerus, the elbow, and the forearm.
46. Demonstrate how to care for a patient with an amputation.
47. Demonstrate the emergency medical treatment of local cold injuries in the field.
48. Demonstrate using a warm-water bath to rewarm the limb of a patient who has sustained a local cold injury.

49. Demonstrate how to treat a patient with heat cramps.
50. Demonstrate how to treat a patient with heat exhaustion.
51. Demonstrate how to treat a patient with heatstroke.
52. Demonstrate how to stabilize a patient with a suspected spinal injury in the water.,
53. Demonstrate how to care for a patient who is suspected of having an air embolism or decompression sickness following a drowning or diving emergency.
54. Demonstrate how to care for a patient who has been bitten by a pit viper and is showing signs of envenomation.
55. Demonstrate how to care for a patient who has been bitten by a coral snake and is showing signs of envenomation.
56. Demonstrate how to care for a patient who has sustained a coelenterate envenomation.
57. Demonstrate the procedure to assist in a normal cephalic delivery.
58. Demonstrate care procedures of the infant as the head appears.
59. Demonstrate the steps to follow in post-delivery care of the infant.
60. Demonstrate how to cut and tie the umbilical cord.
61. Demonstrate how to assist in delivery of the placenta.
62. Demonstrate the post-delivery care of the mother.
63. Demonstrate procedures to follow for complicated delivery emergencies including vaginal bleeding, breech presentation, limb presentation, and prolapsed umbilical cord.
64. Demonstrate how to position the airway in a pediatric patient.
65. Demonstrate how to palpate the pulse and estimate the capillary refill time in a pediatric patient.
66. Demonstrate how to use a pediatric resuscitation tape measure to size equipment appropriately for a pediatric patient.
67. Demonstrate how to insert an oropharyngeal airway in a pediatric patient
68. Demonstrate how to insert a nasopharyngeal airway in a pediatric patient.
69. Demonstrate how to administer blow-by oxygen to a pediatric patient.
70. Demonstrate how to apply a nasal cannula to a pediatric patient.
71. Demonstrate how to apply a nonbreathing mask to a pediatric patient.
72. Demonstrate how to assist ventilation of an infant or child using a bag-mask device.
73. Demonstrate how to perform one-rescuer bag-mask device ventilation on a pediatric patient.
74. Demonstrate how to perform two-rescuer bag-mask device ventilation on a pediatric patient
75. Demonstrate how to immobilize a pediatric patient who has been involved in a trauma emergency
76. Demonstrate how to immobilize a pediatric patient who has been involved in a trauma emergency in a car seat.
77. Demonstrate how to immobilize a pediatric patient who has been involved in a trauma emergency out of a car seat.
78. Demonstrate different strategies to communicate effectively with a patient who has a hearing impairment.
79. Perform a power lift to lift a patient.
80. Demonstrate using a power grip.
81. Perform the diamond carry to move a patient.
82. Perform the one-handed carrying technique to move a patient.
83. Perform a patient carry to move a patient down the stairs.
84. Perform a patient carry using a stair chair to move a patient down the stairs.
85. Demonstrate the body mechanics and principles required for safe reaching and pulling, including the safe reaching technique used for performing log rolls.
86. Demonstrate how to perform an emergency or urgent move.
87. Perform the rapid extrication technique to move a patient from a vehicle.
88. Perform the direct ground lift to lift a patient.
89. Perform the extremity lift to move a patient.
90. Perform the direct carry to move a patient

91. Demonstrate how to use the draw sheet method to transfer a patient onto a stretcher.
92. Use a scoop stretcher to move a patient.
93. Demonstrate how to load a stretcher into an ambulance.
94. Demonstrate the correct use of medical restraints on a patient.
95. Demonstrate how to perform a daily inspection of an ambulance
96. Demonstrate how to present a verbal report that would be given to arrival personnel at the hospital upon patient transfer.
97. Demonstrate how to write a written report that includes all pertinent patient information following patient transfer to the hospital.
98. Demonstrate how to clean and disinfect the ambulance and equipment during the postrun phase.
99. Demonstrate how to perform triage based on a fictitious scenario that involves an MCI
100. Correctly identify DOT labels, placards, and markings that are used to designate hazardous materials.
101. Demonstrate the ability to use a variety of reference materials to identify a hazardous material.
102. Demonstrate the steps an EMT can take to establish and reassess scene safety based on a scenario of a terrorist event.
103. Demonstrate the steps an EMT can take for the management of a patient exposed to a chemical agent.
104. Demonstrate the use of the Mark 1 Nerve Agent Antidote Kit (NAAK) and/or the DuoDote Auto-Injector.

General Education Outcomes Supported

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

Standard Practices

Learning Activities

- Medical Two - Chapters 16, 17, 18, 19, 20, 21
- 16-Gastrointestinal and Urologic Emergencies
- 17-Endocrine and Hematologic Emergencies
- 18-Immunologic Emergencies
- 19-Toxicology
- 20-Psychiatric Emergencies
- 21-Gynecologic Emergencies
- Special Patient Populations - Chapters 31, 32, 33, 34
- 31-Obstetrics and Neonatal Care
- 32-Pediatric Emergencies
- 33-Geriatric Emergencies
- 34-Patients With Special Challenges
- EMS Operations - Chapters 36, 37, 38, 39
- 36-Transport Operations
- 37-Vehicle Extrication and Special Rescue
- 38-Incident Management
- 39-Terrorism Response and Disaster Management, EMS Crime Scenes & Critical Thinking (Not in Book)
- EMT Academy (By Invitation Only) - Chapter 40

Assessments

Practical (Hands on) exams with multiple advanced scenario exams using manikin and live patients.

Grading guidelines

Practical exams will make up the total points for grading.