Course Schedule - EMT
Spring 2022
Clarkson University - Emergency Medical Education Program

Monday & Wednesday: 6:00 - 9:00 p.m.
Saturdays (as scheduled): 9 a.m. – 12 noon & 1–4 p.m.
Instructor: Tyler Clark DC, EMT-P, CIC Email: tjclark@clarkson.edu Cell: 315-854-4837
Christopher Towler PT, DPT, EMT-P Email: ctowler@clarkson.edu Cell: 802-310-6506

TEXT - Emergency Care by Brady, 14th edition

PREREQUISITE: These requirements are the following three NIMS and Hazmat Awareness classes, ICS-100, ICS-700, and IS-5A Introduction to Hazardous Materials. Certificate copies of these three courses MUST be submitted by January 17th 2021 (first day of course). Bring copy of certificate to first day of the course. Website to access these courses: https://training.fema.gov/nims/

Jan. 17, Mon 1 Registration & Introduction, Course Expectations and Requirements, Introduction to EMS
           Chapters 1

Jan. 19, Wed. 2 Well-being of the EMT, Discuss medical and ethical issues, Law and the legal issues that present to the EMT; DNRs and MOLST forms; discuss blood borne pathogens which will include the different communicable diseases and how they are transmitted; infection control-take home exam to follow
           Chapters 2, 4

Jan. 22, Sat. 3 AM and PM: CPR - Basic Life Support for health care providers—If you wish to receive a card, it will cost $10 per card. All students are required to attend this class.
Jan. 24, Mon. 4 Anatomy, Physiology, & overview of human systems; Medical Terminology;
           Chapters 5, 6

Jan. 26, Wed. 5 Life Span and Pathophysiology
           Chapter 7, 8

Jan. 29, Sat. 6 AM and PM: Lifting & Moving; this lesson will involve hands on participation by the class in two-person and three-person lifting; moving non-cervical injured patients; use of back boards; spinal motion restriction and moving to the backboard; use of spiders vs. straps; demonstration of the scissors or scoop stretcher, stair chair and the use of the Stokes basket.
           Chapter 3

Jan. 31, Mon 7 Foundation Exam (Chapter 1-8); Practical skills demonstration and practice of AED and BVM stations
           Practice Skills stations: 3, 4

Feb. 2, Wed. 8 Anatomy of the airway and airway management
           Chapters 9

Schedule subject to change
Feb. 7, Mon.   9  Respiration and artificial ventilation  
**Chapters 10**

Feb. 9, Wed.  10  Practical skills day: Use of Airway Adjuncts; use of oral and nasopharyngeal airways; suction units and techniques of suctioning; use of oxygen therapy equipment, the use of the pocket mask and BVM as well as AED  
**Practical skills station: 3, 4, 5A, 5B**

Feb. 14, Mon.  11  **Airway Exam** (chapter 9-10); Discuss the four vital signs and Demonstrate how to perform and obtain each; definition of baseline set of vitals and monitoring devices with practice to follow (students may want to bring their own blood pressure cuff and stethoscope.)  
**Chapter 13**

Feb. 16, Wed.  12  Discuss the components of Scene Size-up. Primary assessment, ongoing patient assessment; diagnostic signs such as pupil reactions & skin color understanding and using SAMPLE. May wish to bring own stethoscope & Blood pressure cuff, as practice will follow.  
**Chapter 11-14**

Feb. 21, Mon.  13  Secondary assessment for both the trauma and medical patient; Reassessment; Critical Thinking and Decision Making  
**Chapter 15-16**

Feb. 23, Wed.  14  Patient Communications & Radio Procedures; Documentation and Writing the Pre-hospital Care Report (PCR) and ePCR.  
**Radio/Documentation Lab**  
**Chapters 17**

Feb. 28, Mon.  15  General Pharmacology, **Patient Assessment Exam** (chapter 11-15).  
**Chapter 18**  
--------------------- **Students may start ride time after Saturday’s class.** ---------------------

March 2, Wed.  16  Respiratory emergencies such as emphysema, chronic bronchitis, asthma  
Hyper ventilation.  
**Chapters 19**

**March. 5, Sat.**  17  **Morning session:** Practical skills day: Vital signs, Patient Assessment Medical, Trauma, BVM, Upper airway adjuncts and suction, and Supplemental Oxygen Administration.  
**Afternoon Session:** **Midterm Written Exam / Mid Semester Status Check**

March 7, Mon.  18  Cardiac emergencies – Signs & Symptoms of heart attack, risk factors, anatomy of the heart, electrical activity of the heart, discuss normal sinus, Ventricular Fibrillation and Ventricular Tachycardia and the significance for the use of the AED. Demonstration of Lucus™ and Autopulse™ devices. (PVRS/CRS)  
**Chapter 20**

*Schedule subject to change*
March 9, Wed. 19  Diabetes, Altered Mental Status, Poisonings, Allergies and Overdose Emergencies
Chapter 22, 23, 25

March 14/16 --  Spring Break – No Class

March 21, Mon. 20  Abdominal Emergencies, behavioral, psychiatric, suicide
Chapters 26, 27

March 23, Wed 21  Hematological, Renal Emergencies and Burns, Sepsis
Chapter 24, 28

March 26, Sat. 22  AM: Bleeding and Shock, Application of dressings and bandages and techniques to control bleeding; demonstrate then practice bandaging, and use of tourniquets
Chapter 29; Practical skill station: 5c

PM: Practical skills day: Medical and Trauma Assessment, AED
Practical skills stations: 1, 2, 3

March 28, Mon. 23  Medical Exam (Chapter 18-28); Practical skills day: medical and trauma assessment
Practical skills stations: 1, 2

March 30, Wed. 24  Soft tissue trauma, Injuries to the Chest, Abdomen, & Genitalia; parts & functions of the abdominal organs, locations, digestive & genitourinary systems; chest, abdomen, & genitalia injuries and treatments.
Chapter 30, 31

April 2, Sat. 25  Morning Session: Principles of Musculoskeletal Care: anatomy and physiology of the musculoskeletal system; definitions and types of fractures and dislocations; examination for injuries; techniques of immobilizing fractures, sprains, and dislocations. This lecture will encompass both the upper and lower extremities, demonstration of splinting of long bones, dislocations and traction splinting.
Chapter 32

Afternoon Session: Injuries to the Head, Neck, Spine, Face & Eye; anatomy and physiology of the nervous system; signs and symptoms of spinal fractures; general rules of caring for the patients with spine injuries and injuries to the face and cranium.
Chapter 33

April 4, Mon. 26  Multisystem Trauma; Environmental Emergencies & Cold Water Drowning
Chapter 34, 35

April 6 Wed. 27  Trauma Exam (Chapter 29-35) Practical skills day: Long bone injury immobilization, joint injury immobilization and traction splint immobilization.
Practical skills station: 6a, 6b, 6c

Schedule subject to change
<table>
<thead>
<tr>
<th>Date</th>
<th>Weekday</th>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>April 11, Mon.</td>
<td>28</td>
<td></td>
<td>Practical Skills Review – BVM, Upper Airway Adjuncts and Suction, Supplemental Oxygen Administration, Bleeding control/Shock Management (Practical Skills Stations 4, 5a, 5b, 5c)</td>
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<tr>
<td>April 13, Wed.</td>
<td>29</td>
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<td>Practical Skills Review: Medical and Trauma assessment, AED, Long bone injury, Joint injury and Traction Splinting. (Practical Skills Station 1, 2, 3, 6a, 6b, 6c)</td>
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<tr>
<td>April 18, Mon</td>
<td>30</td>
<td></td>
<td>Syringe epinephrine, DOH BLS albuterol, and Narcan with exam to follow each Completion of all ambulance ride-along hours due THIS IS A STATE REQUIREMENTS TO ENTER THE PRACTICAL SKILLS EXAM.</td>
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<tr>
<td>April 20, Wed</td>
<td>31</td>
<td></td>
<td>Practice Skills Review: Medical and Trauma Assessment (Practical Skills Station 1, 2, 5, &amp; 6a,b,c.)</td>
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<td><strong>Student’s requirements to be able to take the state practical skills exams (all are required to be in file):</strong></td>
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<tr>
<td>April 23, Sat.</td>
<td>32</td>
<td></td>
<td>NYS EMS Final Practical Skills Exam – Schedule to be announced</td>
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<tr>
<td>April 25, Mon.</td>
<td>33</td>
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<td>Obstetrics, Emergency Child birth &amp; Childbirth Complications; View Video on Childbirth. Chapter 36</td>
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<tr>
<td>April 27, Wed</td>
<td>34</td>
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<td>Pediatric emergencies; pediatric skills: Car seat immobilization, pediatric board, and childbirth.</td>
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<tr>
<td>April 30, Sat</td>
<td>35</td>
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<td>Backup class day if needed due to weather or other circumstances.</td>
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<tr>
<td>May 2, Mon.</td>
<td>36</td>
<td></td>
<td>Geriatric emergencies. Emergencies of special challenges Chapters 37</td>
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<td>May 4, Wed.</td>
<td>37</td>
<td></td>
<td>Vehicle &amp; Traffic Laws pertaining to ambulance operations, Hazardous Material, Stress Management (CISD), Meth Lab presentation, EMS Response to Terrorism. Chapters 38-41 ***Special Pops Take Home Exam (Due 05/09/22) ***</td>
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<tr>
<td>May 7, Sat.</td>
<td>38</td>
<td></td>
<td>Vehicle Extrication - All participants MUST be in turnout gear in order to participate in using the extraction tools and tearing apart the vehicles. Extra turnout gear will be available for those who do not have any. Afternoon session includes rapid extrication</td>
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Schedule subject to change
of individuals from the wrecked car. This is an all-day session.

**Chapter 40**

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<tr>
<th>Date</th>
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<th>Activity</th>
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<tbody>
<tr>
<td>May 9, Mon.</td>
<td>39</td>
<td>39</td>
<td>Mass Casualty Incidents (MCI); Smart Triage; Helicopter rescue/operations</td>
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<tr>
<td><strong>May 10 Tues.</strong></td>
<td>40</td>
<td>40</td>
<td><strong>Final Written Exam (Cumulative Exam/Module 7)</strong></td>
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<tr>
<td>May 16, Mon.</td>
<td>41</td>
<td>41</td>
<td>Test review questions for the NYS Written Exam <em><strong>Virtual Option</strong></em></td>
</tr>
<tr>
<td>May 18, Wed.</td>
<td>42</td>
<td>42</td>
<td>Test review questions for the NYS Written Exam <em><strong>Virtual Option</strong></em></td>
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<td>May 19, Thurs</td>
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<td>NYS End of Course Date</td>
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***Schedule subject to change***