

**ORIGINAL & Recertification BASIC EMERGENCY MEDICAL TECHNICIAN COURSE**

Spring 2017 2/1/17 -6/15/17

40 Embry Drive Lancaster NY 14086

INSTRUCTOR/COORDINATOR: Lynn Ann O'Donnell      MEDICAL DIRECTOR: GALE R. BURSTEIN, MD

REQUIRED TEXTS: AAOS "Emergency Care of Sick & Injured" 11th. Edition      6:30PM - 10:30PM

**Online Requirements**

Assignment of ICS 100,700, and WMD Awareness AWR160 (due by 04/8/17)

SESSION	Day	Date	Topic	Hours	Topic Details
<i>Section 1 - Preparatory</i>					
1	WED	2/1/2017	NYS Paperwork, E.M.T. Class Policies	1:00	NYS Student App., ADA, Learning Contract, Class Policies
			Intro. To Emergency Medical Services,	2:00	EMS Systems, Hx of EMS, Roles/Responsibilities, QA/QI, Patient Safety
			Medical/Legal and Ethical Issues, MOLST/DNR & Confidentiality	1:00	Consent/Refusal of Care, Confidentiality, Advanced Directives, Tort/Criminal Actions, Evidence Preservation, Statutory Responsibilities, Mandatory Reporting, Ethical Principals, Moral Obligations
1A	Tue	2/7/2017	Challenge Practical Skills Exam- Recerts only	4:00	NYS Challenge Practical Skills Exam
1B	WED	2/8/2017	Challenge Practical Skills Exam -if needed	4:00	NYS Challenge Practical Skills Exam
2	Tue	2/8/2017	Workforce Safety and Wellness & Bloodborne Pathogens	2:00	Standard Safety Precautions, PPE, Stress Management, Prevention of work related injuries, Disease Transmission, Wellness Principals
			Hazardous Materials Awareness	2:00	Hazard Identification and NRG Book, Secure the Scene, Upwind/Uphill Concept
3	Tue	2/14/2017	The Human Body	2:30	Anatomy, Human System Function, pathophysiology
			Life Span Development	1:30	Human Development as related to assessment and management of patients
4	Wed	2/15/2017	Baseline Vital Signs, S.A.M.P.L.E.	1:30	Pulse Rate, Respiratory Rate, Blood Pressure, Skin Color/Temp., Pupil Reaction, Monitoring Equipment: Pulse Oximetry, Non-Invasive Blood Pressure Monitor
			Lifting and Moving Patients	1:30	Lifting and Moving Patients
			Lifting and Moving Patients (cont'd)	1:00	Lifting and Moving Patients
5	Tues	2/21/2017	Documentation and NYS PCR	3:00	Principles of medical documentation, medical terminology and report writing, NYS PCR
			<i>Evaluation</i> – Preparatory Section	1:00	<b>Evaluation of Preparatory materials</b>
6	Wed	2/22/2017	Emergency Medical Dispatch & 9-1-1 System	4:00	Team Communications and dynamics, Therapeutic Communications
7	Tues	2/28/2017	Erie County EMS Communications & the M.E.R.S. System	4:00	Local EMS Communication System, Communication w/ other healthcare professionals,

SESSION	Day	Date	Topic	Hours	Topic Details
			<i>Section 2 - Pharmacology</i>		
8	Wed	3/1/2017	Principles of Pharmacology	4:00	Fundamental review of medications an EMT may assist or administer during patient care, medication Safety, Drug Names, Drug Actions, Routes of Administration, Dosage, Side Effects, Indications, Contraindications
9	Tues	3/7/2017	Administering Medications & Assisting Patients with Medications, A.L.S. assist, Blood Glucose, etc.	4:00	Epi Pens, Nitro, Aspirin, Oral Glucose, Albuterol, Emergency Inhaler, Glucose Monitoring
			<i>Section 3 - Patient Assessment</i>		
10	Wed	3/8/2017	Scene Size-Up	2:00	Impact of Environment on patient care, address hazards, violence, specialized resources, standard precautions and multiple patient situations
			Primary Assessment	2:00	General impression, Level of Con. (AVPU), ABC's, Identify Life Threats, Assess Vital Functions, Procedures to Preserve Life
11	Tue	3/14/2017	History Taking, History Taking Scenarios	2:00	Determine Chief Complaint/Mechanism of Injury, Past Medical History, Signs/Symptoms, Pertinent Negatives
			Secondary Assessment	2:00	Systems: Respiratory, Cardiac, Neurologic, Musculoskeletal and Anatomical Regions
12	Wed	3/15/2017	Practical Lab – Patient Assessment; Primary	4:00	
13	Tue	3/21/2017	<u>Evaluations</u> – Patient Assessment, Practical Skills	3:00	
			Patient Assessment, Written	1:00	
			<i>Section 4 - Airway Management</i>		
14	Wed	3/22/2017	Airway Management Lecture	4:00	Anatomy of Respiratory System, Physiology and Pathophysiology of breathing, Assessment of adequate/inadequate ventilation, Maintaining Airway, Mechanical/Artificial Ventilation, Oxygen administration
15	Tues	3/28/2017	Practical Skills Lab – Airway: oral and nasal, oxygen admin.: partial & non-rebreather face mask, nasal cannula, Venturi mask, BVM, mouth-to-mask w/ oxygen, suctioning, humidified oxygen, CPAP, demand valve	4:00	Review of devices specified in the schedule.
16	Wed	3/29/2017	Practical Lab – Airway Skills	4:00	Practice with devices listed. (**except CPAP)
17	Tue	4/4/2017	<u>Evaluations</u> – Airway Management Practical Skills	3:00	Practice with devices listed above.
			Airway Management, Written	1:00	

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18	Wed	4/5/2017	Shock & Hypoperfusion, BLS Resuscitation	4:00	
19	SAT	4/8/2017	BLS Healthcare Provider CPR; Evaluation CPR Practical Skills Exam and Written Exam	5:00	Class Time 8am-1pm... ICS and AWR Certs DUE this class!!
20	Tues	4/11/2017	Practical Skills Lab – Sections 1,2,3,4, and 5	4:00	
<b>Section 6 - Medical</b>					
21	Wed	4/12/2017	Medical Overview	2:00	Pathophysiology, Assessment and Management of Medical Complaints, Transportation Decision/Mode, Destination Decision
			Respiratory Emergencies	2:00	Pathophysiology of Respiratory Emergencies, Physical Findings, Interventions
22	Tues	4/18/2017	Cardiovascular Emergencies	2:00	Pathophysiology of Cardiovascular Emergencies, Physical Findings, Interventions
			Stroke / Transient Ischemic Attack (TIA)	2:00	Pathophysiology of Stroke Emergencies, Physical Findings, Interventions
23	Wed	4/19/2017	Neurological / Behavioral / Endocrine Emergencies / Seizures / Altered Mental Status / Allergic reaction	4:00	Pathophysiology of the listed Emergencies, Physical Findings, Interventions
			Hematological & Gastrointestinal & Renal Emergencies	2:00	Pathophysiology of the listed Emergencies, Physical Findings, Interventions
24	Tues	4/25/2017	Toxicology & Immunological Emergencies	2:00	Pathophysiology of the listed Emergencies, Physical Findings, Interventions
25	Wed	4/26/2017	Gynecological, Obstetrical & Neonatal Emergencies with Emergency Childbirth Skills Lab	4:00	Pathophysiology, Physical Findings, Interventions for OB/GYN/Childbirth Emergencies, Sexual Assault
26	Tues	5/2/2017	<b>Evaluation</b> – Medical Emergencies Practical Skills Sect. 6	2:00	
			Medical Emergencies Written Evaluation	2:00	
<b>Section 7 - Trauma</b>					
27	Wed	5/3/2017	Trauma Overview / Bleeding / Soft Tissue Injuries	2:00	Trauma Score, Rapid Transport/Destination Determination, Bleeding, Bleeding Control
			Abdomen & Genitourinary Trauma / Environmental	2:00	Pathophysiology of injuries to the Abdomen, Genitalia and Environmental Emergencies, Physical Findings, Interventions
28	Tue	5/9/2017	Orthopedic Injuries & Practical Lab	4:00	Pathophysiology of injuries to the upper / lower extremities, Physical Findings, Interventions
29	Wed	5/10/2017	Face & Neck / Chest / Head & Spine Injuries	2:00	Pathophysiology of injuries to the head, face, neck and spine, Physical Findings, Interventions
			Head & Spine Injuries, Head & Spine Practical Lab	2:00	

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30	Tue	5/16/2017	Practical Skills Lab, Section 7 Trauma Trauma Emergencies Practical Skills Trauma Emergencies Written Evaluation	2:00 1:00 1:00	
<b>Section 8 - Special Patient Populations</b>					
31	Wed	5/17/2017	Pediatric / Neonatal / Geriatric Emergencies / Patients with Special Needs / Review OB GYN	3:00	Pathophysiology, Assessment and management of trauma for the pregnant, pediatric, geriatric and cognitively impaired patient
			<u>Evaluation</u> – Special Populations Practical Skills / Special Population Written Evaluation	1:30	
<b>Section 9 - EMS Operations</b>					
32	Tues	5/23/2017	Incident Management / Multiple Casualty Incidents (MCI) / Ground Ambulance Operation	4:00	Review Integration of Operation (ICS), Triage, Patient Destination during MCI, Ambulance operation, V&T Law
33	Wed	5/24/2017	Terrorism / Vehicle Extrication / HazMat	4:00	WMD Response, Force Protection, Vehicle Extrication, HazMat Review
34	Tues	5/30/2017	Air Medical/Special Rescue @ Mercy Flight Extrication Scenarios Practical Lab <u>Evaluation</u> – EMS Operations Practical Scenarios / EMS Operations Written Evaluation	2:00 1:00 1:00	
<b>Final Evaluations</b>					
35	wed	5/31/2017	Scenario Review & Testing Final Written Examination	2:30 2:00	
<b>New York State E.M.S. Evaluations</b>					
36	Tues	6/6/2017	NYS Final Practical Skills Exam – Part I	4:00	
37	Wed	6/7/2017	NYS Final Practical Skills Exam – Part II	4:00	
38	Tue	6/13/2017	Optional – Review / NYS Final Practical Skills Exam Retest if needed	4:00	
39	THURS	6/15/2017	NYS Final Written Certification Examination	3:00	BE HERE BY 615

**Additional Requirements: 2 - 5 hour Observation experiences**

			<b><u>ONLINE</u></b>		Assignment of ICS 100, 700 WMD Awareness (AWR 160 TEEX) ( <i>done online, all three certificates due by 4/8/17</i> )
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**Attendance is mandatory for ALL sessions for Originals. This is a New York State requirement. There are no exceptions. Highlighted Dates in yellow are mandatory Attendance for Recerts.**

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Text AAOS "Emergency Care of the Sick and Injured" 11th. Edition