RECERTIFICATION-BASIC EMERGENCY MEDICAL TECHNICIAN COURSE

Fall course, 2014

INSTRUCTOR/COORDINATOR: DIANE BATTERSON MEDICAL DIRECTOR: GALE R. BURSTEIN, MD

REQUIRED TEXT: BRADY EMERGENCY CARE, 12TH EDITION

CLASS TIMES-8:00AM-4:00PM, SOME CLASSES 8:00AM-5:00PM

		ONLINE REQUIREMENTS		Assignment of ICS 100, 700 and Hazardous Materials Awareness AWR 160 (***done online, all three certificates due by 10/11/14***
	Date	***Topic***	**Hours**	**Topic Details**
		Section 1 -Preparatory		
	08/23/14	NYS Paperwork, E.M.T. Class Policies	**1:00**	NYS Student App., ADA, Learning Contract, Class Policies
		Intro to Emergency Medical Services, Recertification Written Examination	**1:30**	EMS Systems, Hx of EMS, Roles/Responsibilities, QA/QI, Patient Safety
1	**8:00/5:00**	Medical/Legal, Ethical, Confidentiality Issues, DNR/MOLST	**1:00**	Consent/Refusal of Care, Confidentiality, Advanced Directives, Tort/Criminal Actions, Evidence Preservation, Statutory Responsibilities, Mandatory Reporting, Ethical Principals, Moral Obligations
1a		Challenge Practical Skills Exam	**3:00**	NYS Challenge Practical Skills Exam
		Workforce Safety and Wellness, Bloodborne Pathogens	**1:00**	Standard Safety Precautions, PPE, Stress Management, Prevention of work related injuries, Disease Transmission, Wellness Principals
2		Hazardous Materials Awareness	**1:00**	Hazard Identification and NRG Book, Secure the Scene, Upwind/Uphill Concept
		The Human Body	**2:30**	Anatomy, Human System Function, pathophysiology
3	**08/30/14**	Life Span Development	**1:30**	Human Development as related to assessment and management of patients
4		Baseline Vital Signs, S.A.M.P.L.E.	**2:00**	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

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5	09/06/14			
		Documentation and NYS PCR	1:00	Principles of medical documentation, medical terminology and report writing, NYS PCR
	8am/5pm	***Evaluation*** – Preparatory Section	1:00	**Evaluation of Preparatory materials**
6		BLS Healthcare Provider CPR, Evaluation CPR Practical Skills Exam	4:00	
7		Effective CPR "*on the move!*" and Written Exam	1:30	
		Emergency Medical Dispatch & 9-1-1 System	1:00	Team Communications and dynamics, Therapeutic Communications
8	09/13/14	Erie County EMS Communications & the M.E.R.S. System	2:30	Local EMS Communication System, Communication w/ other healthcare professionals,
		Section 2 - Pharmacology		
9	8am/5pm	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
10		Administering Medications & Assisting Patients with Medications, A.L.S. assist, Blood Glucose, etc.	2:00	Epi Pens, Nitro, Aspirin, Oral Glucose, Albuterol, Emergency Inhaler, Glucose Monitoring
		Section 3 - Patient Assessment		
11	09/20/14	Scene Size-Up	1:30	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
12		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

	Date	Topic	Hours	Topic Details
13	09/27/14	Practical Lab – Patient Assessment; Primary Assessment, History Taking, Secondary	3:00	
14		***Evaluations*** – Patient Assessment, Practical Skills	2:30	
		Patient Assessment, Written	2:00	
		Section 4 - Airway Management		
15	10/04/14	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
16		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	3:30	Review of devices specified in the schedule.
17	10/11/14	Practical Lab – Airway Skills	3:00	Practice with devices listed. (***except CPAP)
18		***Evaluations*** – Airway Management Practical Skills	2:30	Practice with devices listed above.
		Airway Management, Written	2:00	
		Section 5 - Shock & Resuscitation		
19	10/18/14	Shock & Hypoperfusion, BLS Resuscitation	4:00	
20		Practical Skills Lab – Sections 1,2,3,4, and 5	3:30	
21	10/25/14	***Evaluations*** – Scenario Testing - Skills Sections 1,2,3,4,and 5 both Written and Practical Skills Testing	3:00	
		Section 6 - Medical		
22		Medical Overview	1:00	Pathophysiology, Assessment and Management of Medical Complaints, Transportation Decision/Mode, Destination Decision

	Date	Topic	Hours	Topic Details
		Respiratory Emergencies	3:30	Pathophysiology of Respiratory Emergencies, Physical Findings, Interventions
23	11/01/14	Cardiovascular Emergencies	3:00	Pathophysiology of Cardiovascular Emergencies, Physical Findings, Interventions
24	8am/5pm	Stroke / Transient Ischemic Attack (TIA)	2:00	Pathophysiology of Stroke Emergencies, Physical Findings, Interventions
25		Neurological / Behavioral / Endocrine Emergencies / Seizures / Altered Mental Status / Allergic reaction	3:30	Pathophysiology of the listed Emergencies, Physical Findings, Interventions
26	11/08/14	Hematological & Gastrointestinal & Renal Emergencies	4:00	Pathophysiology of the listed Emergencies, Physical Findings, Interventions
27		Toxicology & Immunological Emergencies	3:30	Pathophysiology of the listed Emergencies, Physical Findings, Interventions
28	11/15/14	Gynecological, Obstetrical & Neonatal Emergencies with Emergency Childbirth Skills Lab	4:00	Pathophysiology, Physical Findings, Interventions for OB/GYN/Childbirth Emergencies, Sexual Assault
29		***Evaluation*** – Medical Emergencies Practical Skills Sect. 6	2:00	
		Medical Emergencies Written Evaluation	1:30	
		Section 7 - Trauma		
30		Trauma Overview / Bleeding / Soft Tissue Injuries	2:00	Trauma Score, Rapid Transport/Destination Determination, Bleeding, Bleeding Control
	11/22/14	Abdomen & Genitourinary Trauma / Environmental	2:00	Pathophysiology of injuries to the Abdomen, Genitalia and Environmental Emergencies, Physical Findings, Interventions
31		Orthopedic Injuries & Practical Lab	3:30	Pathophysiology of injuries to the upper / lower extremities, Physical Findings, Interventions
32	11/29/14	Face & Neck / Chest / Head & Spine Injuries	3:00	Pathophysiology of injuries to the head, face, neck and spine, Physical Findings, Interventions
33	8am/5pm	Head & Spine Injuries, Head & Spine Practical Lab	3:00	

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34		Practical Skills Lab, Section 7 Trauma	2:30	
35	12/06/14	Trauma Emergencies Practical Skills	2:00	
		Trauma Emergencies Written Evaluation	1:00	
		Section 8 - Special Patient Populations		
36	8am/5pm	Pediatric / Neonatal / Geriatric Emergencies / Patients with Special Needs / Review OB GYN	2:30	Pathophysiology, Assessment and management of trauma for the pregnant, pediatric, geriatric and cognitively impaired patient
37		***Evaluation*** – Special Populations Practical Skills / Special Population Written Evaluation	3:00	
		Section 9 - EMS Operations		
38	12/13/14	Incident Management / Multiple Casualty Incidents (MCI) / Ground Ambulance Operation	3:00	Review Integration of Operation (ICS), Triage, Patient Destination during MCI, Ambulance operation, V&T Law
39	8am/5pm	Terrorism / Vehicle Extrication / HazMat	2:30	WMD Response, Force Protection, Vehicle Extrication, HazMat Review
40		Special Rescue	1:00	
		Air Medical	1:00	
41		Extrication Scenarios Practical Lab	1:00	
42	12/27/14	***Evaluation*** – EMS Operations Practical Scenarios / EMS Operations Written Evaluation	2:00	
43	8am/5pm	Scenario Reviews	2:00	
		Final Evaluations		
44		Scenario Review & Testing	1:30	
45		Final Written Examination	3:00	
		New York State E.M.S. Evaluations		
46	01/03/15	NYS Final Practical Skills Exam – Part I	4:00	
47		NYS Final Practical Skills Exam – Part II	3:30	
48	01/10/15	Mandatory Review / NYS Final Practical Skills Exam	3:00	
49	01/15/15	NYS Final Written Certification Examination	3:00	MUST BE AT THE BCFTA AT 6:15 PM

	Date	Topic	Hours	Topic Details
Sessions that are highlighted are required sessions for all Recertification Students				
ONLINE REQUIREMENTS				Assignment of ICS 100, 700 and Hazardous Materials Awareness AWR-160 (done online, all three certificates due by 10/11/14

Attendance is mandatory for all sessions indicated in the individual Recertification Learning Contract.

*** YOU MUST PURCHASE THE TEXT WITH AN ISBN NUMBER OF CODE PACKAGE.