

DETAILED TEACHING SYLLABUS

Medical Emergencies at Sea

Updated 11/24/2015

LEARNING/PERFORMANCE OBJECTIVES	REFERENCE TEXTS	MEDICAL EQUIPMENT	TEACHING AID
1. Introduction/Course Objectives			
1.1 Instructor gains knowledge of student experiences and working conditions			
1.2 Student understands course completion expectations			
1.3 Student understands certification			
2. Scene Assessment/Self-Protection			
2.1 Lists steps to be taken upon seeing accident or injured person		1	
2.2 Understand the importance of surveying an accident site for latent dangers		12	
2.3 Defines mechanism of injury		69	
2.4 Understands the need for self-protection			
2.5 Recognizes protections and limitations of Good Samaritan Act			
3. Blood-borne Pathogens/Infectious Diseases			
3.1 Lists infectious diseases and means of transmission		2	
3.2 Understands risks of occupational exposure and how to minimize them			
3.3 Defines Universal Precaution			
3.4 Understands the difference between direct and indirect contact			
3.5 Identifies personal protective equipment used to prevent exposure			
3.6 Understands procedures for post-exposure evaluation and follow-up			
3.7 Lists procedures for cleaning up infected site			
4. Patient Assessment			
4.1 Lists procedures for primary survey		3	
4.2 Conducts primary survey on simulated victim		13	
4.3 Takes blood pressure on other student		15	
4.4 Lists steps to be taken upon seeing a victim		16,17,18	
4.5 Takes pulse and identifies pulse ranges		19	
4.6 Defines pulse, respirations, and blood pressure			
4.7 Lists procedures for secondary survey			
4.8 Conducts secondary survey			
5. First Aid Equipment			
5.1 Reviews first aid equipment		68	
5.2 Recognizes the benefits and limitations of different types of first aid kits			
5.3 Understands kit size and supplies are dependent on crew size and operating location			

DETAILED TEACHING SYLLABUS

Medical Emergencies at Sea

Updated 11/24/2015

LEARNING/PERFORMANCE OBJECTIVES	REFERENCE TEXTS	MEDICAL EQUIPMENT	TEACHING AID
5.4 Understand the medications in the medical kit.		27	
6. Life Threatening Conditions			
6.1 Identifies signs, symptoms, and treatment of shock		20	
6.2 Understands wound treatment and management			
6.3 Practices bandaging techniques			
6.4 Determine appropriate bandaging materials		21,22 23,24	
6.5 Demonstrate stabilizing an impaled object		25, 37	
6.6 Recognizes a fracture from a sprain or strain			
6.7 Understands treatment for fracture, sprain, or strain		29,30	
6.8 Practices splinting techniques		55	
6.9 State proper care of 3 types of fish injuries-fish poisoning, jellyfish, allergies		56 38	
6.10 Handling allergic reactions			
6.11 Describe care for an amputation		47,48	
6.12 Care for amputated part		39,40	
6.13 Understands under what circumstances a tourniquet would be used		50,49	
6.14 Recognizes the different degrees of burns and understands proper treatment		14,36	
6.15 Recognizes signs and symptoms of head injury		28 26	
6.16 Handling a sucking chest wound		31	
6.17 Recognizes signs of possible spinal cord injury		59,60	
6.18 Practices packaging injured person on backboard for transport			
6.19 Defines and provides examples of Prudent Heart Living			
6.20 Recognizes early signs of heart attack		6	
6.21 Defines Angina Pectoris and Myocardial Infarction		7	
6.22 Identifies symptoms and treatment of each		8 4	
6.23 Understands procedures for choking victims		5	
6.24 Lists the steps to be taken when encountering an unconscious person		9 32,33, 34,	
6.25 Defines CPR		35	
6.26 Describes the ABC's of CPR			
6.27 Understands under what circumstances CPR is administered			
6.28 Practices adult one and two-rescuer CPR			
6.29 Practice using AED			

DETAILED TEACHING SYLLABUS

Medical Emergencies at Sea

Updated 11/24/2015

LEARNING/PERFORMANCE OBJECTIVES	REFERENCE TEXTS	MEDICAL EQUIPMENT	TEACHING AID
6.30 Define when you use oxygen 6.31 Practice using oxygen on patient			
7. Toxic Environment			
7.1 Recognizes toxic environments and understands what to do when encountered 7.2 Defines confined space entry and lists steps for treatment of victim found in a confined space		54,53	
8. Hypothermia/Other Cold Injuries			
8.1 Defines hypothermia and recognizes conditions that may result in a hypothermic person 8.2 Recognizes the signs and symptoms of a hypothermic person 8.3 Defines the "D" in the ABCD's of hypothermia 8.4 Understands the most effective determinant of body temperature 8.5 Recognizes other conditions that have similar symptoms as hypothermia 8.6 Identifies necessary conditions for resuscitating a hypothermia victim 8.7 Understands the difference between severe and mild hypothermia and treatment for each case 8.8 Describes under what conditions CPR should <u>not</u> be administered to the hypothermia victim 8.9 Describes how to evaluate and treat a cold-water near-drowning victim 8.10 Describes how to identify, evaluate, and treat a frostbite		41,42 70,71 43,44 45,46	
9. Other Medical Emergencies			
9.1 Identifies the signs and symptoms of stroke 9.2 Identifies the signs and symptoms of a diabetic coma 9.3 Identify the signs and symptoms of a seizure 9.4 Identify topical skin infections		57,58 61,62 63,64 51,52	
10. Medivac Procedures			
10.1 Understands when contact with medical control/USCG is necessary 10.2 Understand what to do to aid the operation 10.3 Describes how to prepare for helicopter arrival 10.4 Describe preparation of injured person for		10,11 65,66 67	

DETAILED TEACHING SYLLABUS

Medical Emergencies at Sea

Updated 11/24/2015

LEARNING/PERFORMANCE OBJECTIVES	REFERENCE TEXTS	MEDICAL EQUIPMENT	TEACHING AID
10.5 hoisting Understands the importance and technique for avoiding static shock			