

1. Minimize the risk of fire

Concept and application of the fire triangle to fire and explosion	1.1 Conditions for fire	Text : Chapt. 20 (pp 961-975)	PPT: 16/13-16/36
	1.2 Properties of flammable materials	Text: Chapt. 3 (p 87)	PPT: 3/6-3/47
Types and sources of ignition	1.3 Fire prevention principles	Text : Chapt. 20 (pp 961-975)	PPT: 16/13-16/36
Flammable materials commonly found on board	1.4 Spread of fire	Text: Chapt. 3 (pp 87-107) AMFF Video: Chapt. 1	PPT: 3/6-3/47
	1.5 Safe practices	TS Kennedy SEM: Section 1	
The need for constant vigilance	1.6 Need for constant vigilance	TS Kennedy SEM: Section 1	
	1.7 Patrol systems	TS Kennedy SEM: Section 1	
Fire Hazards	1.8 Fire hazards	Text : Chapt. 20 (pp 961-965)	PPT: 16/13-16/36

2. Maintain a state of readiness to respond to emergency situations involving fires

Organization of shipboard fire fighting	2.1 General emergency alarm	TS Kennedy SEM: Section 3	
	2.2 Fire control plans and muster lists	TS Kennedy SEM: Section 2	
	2.3 Communications		PPT: 19/4-19/30

BASIC FIRE FIGHTING COURSE OUTLINE

2012

	2.4 Personnel safety procedures	TS Kennedy SEM: Sections 1, 2, 4
	2.5 Periodic shipboard drills	TS Kennedy SEM: Sections 1, 2, 4
Location of fire-fighting appliances and emergency escape routes	2.6 Ship construction arrangements	TS Kennedy SEM: Sections 1, 2
	2.7 Emergency fire pump (cargo ships)	TS Kennedy SEM: Section 5
	2.8 Chemical powder application	
	2.9 Emergency escape routes	
Fire spread in different parts of a ship	2.10 Fire spread	AMFF Video: Chapt. 1
Fire and smoke detection measures on ships and automatic alarm systems	2.11 Fire and smoke detection systems	PPT: 16/5-16/43
	2.12 Automatic fire alarm	PPT: 16/5-16/43
Classification of fires and appropriate extinguishing agents	2.13 Classification of fires and appropriate extinguishing agents	PPT: 3/48-3/54

3. Fight and extinguish fires

Selection of fire-fighting appliances and equipment	3.1 Fire hoses and nozzles	
	3.2 Mobile apparatus	Text: Chapt. 6 (pp 234-254) PPT: 5/13-5/106
	3.3 Portable fire extinguishers	
	3.4 Fireman's outfit	Text: Chapt. 5 (pp 167-212) PPT: 5/13-5/106
	3.5 Fire blankets	

	3.6 Knowledge of fire safety arrangements	TS Kennedy SEM: Sections 1, 2, 4
	3.7 Fire alarms	TS Kennedy SEM: Sections 1, 2, 3
	3.8 Fire fighting	TS Kennedy SEM: Sections 1, 2, 5
	3.9 Fire-fighting mediums	TS Kennedy SEM: Sections 1, 2, 5
	3.10 Fire-fighting procedures	TS Kennedy SEM: Sections 1, 2, 5
	3.11 Small fires	
	3.12 Extensive fires	
Precautions for and use of fixed installations	3.13 General	
	3.14 Smothering effect systems: carbon dioxide (CO ₂) and foams	TS Kennedy SEM: Section 5
	3.15 Inhibitor effect systems: powders	
	3.16 Cooling effect systems: sprinklers, pressure spray	TS Kennedy SEM: Section 5
Use of breathing apparatus for fighting fires	3.17 Breathing apparatus	TS Kennedy SEM: Section 6
	3.18 Drills in smoke-filled spaces	
Use of breathing apparatus for effecting rescues	3.19 Use of breathing apparatus	TS Kennedy SEM: Section 6