



# Maritime Education & Training Short Courses

Arab Academy for Science, Technology and Maritime Transport



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The maritime industry cannot be run and maintained without a well-trained and motivated human element, people who actually operate ships and ports at the sharp end. After observing the most up-to-date training facilities and the strength of the teaching staff, I felt that the future of maritime activities in the Arab nations is secure, thanks to this excellent institution which maintains the highest standards of education and training.

**Koji Sekimizu**  
Former IMO Secretary General



# Maritime Education & Training Short Courses

## STCW

No.	Course Name	Duration
1	Medical Emergency Basic Training (Elementary First Aid )	2 Days
2	Personal Safety and Social Responsibilities	3 Days
3	Fire Prevention and Fire Fighting	3 Days
4	Advanced Personal Survival , Search and Rescue.	3 Days
5	Proficiency in Personal Survival Techniques	3 Days
6	Medical First Aid	5 Days
7	Medical Care Studies	5 Days
8	Crowd Management, Passenger Safety, Cargo Safety and Hull Integrity, Crisis Management and Human Behavior Training	5 Days
9	Proficiency in Survival Crafts and Rescue Boats	5 Days
10	Advanced Fire Prevention and Fire Fighting	5 Days
11	Proficiency in Fast Rescue Boats	3 Days
12	Advanced Communications	5 Days
13	Communication	1 week
14	Proficiency of Security Awareness Training for Seafarers with Designated Security Duties	2 Days
15	Proficiency for Ship Security Officers (PSSO)	3 Days
16	Proficiency of Security Awareness Training for all Seafarers	1 Day
17	Prevention and Combating Marine Pollution	5 Days
18	Radar and ARPA simulator and Search and Rescue	1 week
19	Marine Radar and Automatic Radar Plotting Aids (ARPA)	3 weeks
20	Advanced ECDIS Simulator (Management Level)	2 days
21	ECDIS Simulator (Operation Level)	3 Days
22	Ship Handling and Maneuvring	5 Days
23	Refreshment course (Management Level)	8 Days
24	Refreshment course (Operation Level)	8 Days

## Marine Safety

No.	Course Name	Duration
1	Accidents Investigation Procedure	2 Days
2	Risk Management	3 Days
3	ISM - Level 1/ International Safety Management (The ISM Code)-Familiarization	3 Days
4	ISM - Level 2/ International Safety Management: Documentation & Implementation	3 Days
5	Shipboard Safety Officer	3 Days
6	Safety in Confined Spaces	1 Days
7	Smoke Diving	1 Days
8	Safety of Rigging and Slings	3 Days
9	Implementation of International Maritime Dangerous Goods Code in Port Area	3 Days
10	Implementation of International Maritime Dangerous Goods (IMDG) Code on board Ships	3 Days



# Maritime Education & Training Short Courses

## Offshore

No.	Course Name	Duration
1	Offshore Personal Survival Techniques	2 Days
2	Offshore Fire Prevention and Fire Fighting	3 Days
3	Offshore Advanced Fire Fighting	4 Days
4	Offshore Medical First Aid	2 Days
5	Offshore Advanced First Aid	4 Days
6	Offshore Personal Safety and Social Responsibilities	2 Days
7	Offshore Proficiency in Survival Crafts and Rescue Boats other than Fast Rescue Boats	4 Days
8	Basic Offshore Safety and Emergency Training Course (BOSIET). OPITO Approved	3 Days
9	Further Offshore Emergency Training Course. (FOET). OPITO Approved	2 Days
10	Tropical Basic Offshore Safety & Emergency Training (T-BOSIET). (OPITO Approved)	3 Days
11	Tropical Further Emergency Safety Training (T-FOET). (OPITO Approved)	2 Days
12	Helicopter Underwater Escape Training (HUET)-(OPITO APPROVED)	1 Day
13	Tropical Helicopter Underwater Escape (T-HUET). (OPITO Approved)	1 Day
14	Basic H2S Training (OPITO Approved))	1 Day
15	Offshore Helicopter Underwater Escape Training - Survival System-Canada (HUET)	2 Days



## Offshore (cont.)

No.	Course Name	Duration
16	Helicopter Landing Officer (HLO)	2 Days
17	Offshore Basic Life Boat Course. (COXSWAIN)	4 Days
18	Offshore Life Boat Course	2 Days
19	Offshore Fire Team Member	3 Days
20	Offshore Fire Team Leader	3 Days
21	Helicopter Landing Team Member	2 Days
22	Dynamic Positioning Awareness	1 Day
23	Dynamic Positioning Induction	4 Days
24	Dynamic Positioning Advanced	4 Days
25	Dynamic Positioning Maintenance	4 Days
26	Inspection on Board off Shore Vessels as per OVD	4 Days
27	Offshore operations management	10 Days
28	Anchor Handling	5 Days
29	DPO Assessments	2 Days



# Maritime Education & Training Short Courses

## Petrochemicals and Tanker

No.	Course Name	Duration
1	Basic Training for Oil and Chemical Tanker Cargo Operation	5 Days
2	Advanced Training for Liquefied Gas Tanker Cargo Operation	5 Days
3	Advanced Training for Chemical Tanker Cargo Operation	5 Days
4	Advanced Training for Oil Tanker Cargo Operation	7 Days
5	Inspection On Board Oil And Gas Tanker As Per OCIMF Requirements	5 Days
6	Liquefied Cargo Handling At Single Buoy Mooring - SBM	5 Days
7	Petroleum and Gas Terminal Operator's	5 Days
8	Ballast Water Management Program and Treatment	5 Days
9	Inspection on Board off Shore Vessels as per OVD	5 Days
10	Liquid Natural Gas (LNG) Carriers and Terminals Safety Operations	5 Days
11	liquid cargo calculation	3 Days
12	Crude and Gas terminal management	10 days
13	Single Buoy Mooring (SBMs) Maintenance Philosophy	5 Days
14	Oil Tanker Familiarization	5 days
15	Oil tanker mooring operation and handling of cargo hose/arm	5 days
16	Oil Tanker Vetting	2 Weeks
17	Tanker charter parties	5 Days





## Maritime Security

No.	Course Name	Duration
1	Company Security Officer (CSO)	3 Days
2	Port Facility Security Officer (PFSO)	3 Days
3	Security Awareness Training for Port Facility Personnel with Designated Security Duties	2 Days
4	Security Awareness Training for all Port Facility Personnel	1 Day
5	Maritime Security Auditor (Basic Course)	3 Days
6	Maritime Security Auditor (Advanced Course)	5 Days
7	Actions to be Taken to Prevent Acts of Piracy and Armed Robbery	1 Day
8	Security Risk Assessment	2 Days
9	Train-the-Trainer Course	5 Days
10	The advanced training course to implement the (ISPS Code) requirement	5 Days



## Marine Simulators

No.	Course Name	Duration
1	Ship Handling & Maneuvering Simulator (Huge Container Ship)	4 Days
2	Ship-To-Ship Transfer Operation Simulator (STS)	5 Days
3	Maritime Pilot Ship Handling Simulator (Maneuvers to SBM)	5 Days
4	Basic Maritime Pilot Ship Handling Simulator	10 Days
5	Advanced Maritime Pilot Ship Handling Simulator	5 Days
6	Maritime Pilot Ship Handling Simulator (LNG Ships)	5 Days
7	Maritime Pilot Ship Handling Simulator (Integrated Navigation System)	5 Days
8	Maritime Search & Rescue Simulator	5 Days
9	Risk Management and Pollution Preventions at petroleum Harbors	5 Days
10	Boat Handling Maneuvering Simulator	5 Days
11	Bridge Resource Management (BRM)	5 Days
12	ASD Tug Handling Simulator	5 Days
13	Tug Handling Simulator (LNG Ships)	5 Days
14	ASD Tug / Supply Boat Simulator	5 Days



## Marine Simulators (cont.)

No.	Course Name	Duration
15	Vessel Traffic Service (VTS) (Operation level)	5 Days
16	Vessel Traffic Service Supervisor (Management Level)	5 Days
17	Vessel Traffic Service Operators Introduction	40 Days
18	ECDIS Simulator (Awareness)	2 Days
19	Vessel Traffic Service (VTS) (Awareness)	2 Days
20	Maritime Pilot Ship Handling Simulator (Awareness)	2 Days
21	Training the Simulator Trainer –Assessor	5 Days
22	Specific Training for TRANSAS NAVI - Sailor 4000 ECDIS	2 Days
23	Ship to shore intensive Gantry Crane Simulator	10 Days
24	RTG & Straddle Carrier intensive Simulator	10 Days



## Environmental Protection and Crisis Management Center

No.	Course Name	Duration
1	Oil Spill Response (IMO Level I)	5 Days
2	On-Scene Commanders (IMO Level II)	5 Days
3	Oil Spill Crisis Management (IMO Level III)	4 Days
4	Environmental Impacts Assessment	5 Days
5	Introduction to Environmental Disaster Management	5 Days
6	Modern Techniques of Analytical Chemistry and their Environmental Applications	4 Days
7	River Nile Pollution Risk Assessment	5 Days
8	Environmental Pollution and Control	5 Days
9	Oil Identification Technology	3 Days
10	Oil Spill Combating	3 Days
11	Hazardous and Noxious Substances Contingency Planning	3 Days



## Communication and Computing systems (CCSD)

No.	Course Name	Duration
1	General Operator's Certificate 'GOC' .	10 Days
2	Restricted Operator's Certificate 'ROC'	10 Days
3	GMDSS-GOC Refreshment	5 Days
4	GMDSS License Re-validation .	5 Days
5	Standards Marine Communication Phrases 'SMCPs'	5 Days
6	SAR Communication Management	5 Days
7	GMDSS Equipment Maintenance (level I).	15 Days
8	GMDSS Equipment Maintenance (level II)	10 Days
9	Vessel Traffic Services (VTS) Operator Communication	5 Days
10	Train the GMDSS Trainers .	10 Days
11	AIS Operation and Maintenance Introductory	10 Days



# Maritime Education & Training Short Courses

## Marine

No.	Course Name	Duration
1	Draft & Bunker Survey Familiarization	1 Week
2	Marine surveying "Draft & Bunker Survey"	2 Weeks
3	Marine surveying condition survey "Hull & Machinery"	1 Week
4	Cargo Survey	1 Week
5	Marine Insurance	2 Weeks
6	Familiarization course in Technical management for shipping companies	2 Weeks
7	Condensed course for ultra sonic thickness measurement	1 Week
8	Hazardous Materials (Hazmat Program) course	1 Week
9	Hire Survey (On/Off)	1 Week
10	Dangerous, Hazardous and Harmful cargoes	2 Weeks
11	Draught Survey course	5 Days
12	Chartering and lay time calculation	5 Days
13	Maritime insurance and requirements "crude charging stations"	5 Days
14	Bulk Calculation & Draft Survey Courses	5 Days
15	Leadership & Teamwork Management Level for deck officers & Engineers	5 Days
16	Leadership & Teamwork Skills	4 Days
17	International Maritime Dangerous Goods (IMDG code)	5 Days
18	Handling of Dangerous Good and Hazardous Substances in package form (HAZMAT)	5 Days
19	Hazardous Material (Hazmat program) as per CFR 49 Federal Regulation (USA)	5 Days
20	Tug Master Operation	4 Weeks



## Marine Engineering

No.	Course Name	Duration
1	Engine Room Resources Management	5 Days
2	Crude Oil Handling	5 Days
3	High Voltage Operation Familiarization	2 Days
4	High Voltage Operation	5 Days
5	High Voltage Maintenance	5 Days
6	Engine Room Efficiency and Crisis Management	5 Days
7	Engine Room Watch Keeping Skills	5 Days
8	Engine Room Watch Keeping Familiarization	2 Days
9	Maintenance of Marine Vessels(Water Bus,Taxi and ferry)	5 Days



# Maritime Education & Training Short Courses

## Port State & Audit Scheme

No.	Course Name	Duration
1	IMO Activities familiarization	5 Days
2	Casualty Investigation Techniques	2 Weeks
3	Application of ISM Code & its auditing	3 Weeks
4	Application of the Voluntary IMO Member State Audit Scheme	8 Weeks
5	Port State Control Familiarization	5 Days
6	Practical Application of Port State Control (PSC)	2 Weeks
7	Port State Control for Junior PSC Officers	8 Weeks
8	Port State Control for Senior PSC Officers	3 Weeks
9	Flag State Implementation (FSI)	4 Weeks
10	Implementation Requirements of STCW (Manila- 2010) as amended, 78	2 Weeks
11	Maritime Labour Convention - 2006 Compliance	5 Days



## Meteorology & Hydrographic Survey

No.	Course Name	Duration
1	Entry-Level Technician	48 weeks
2	Mid-Level Technician	48 weeks
3	Senior-Level Technician	48 weeks
4	Meteorological Specialist in Satellite Meteorology	4 weeks
5	Course for Meteorological Specialist in Marine Meteorology	4 weeks
6	Meteorological Specialist in Agriculture Meteorology	4 weeks
7	Meteorological Specialist in Climate	4 weeks
8	Meteorological Specialist in Environment	48 weeks
9	Air Pollution, Sources, Standards, and Control	2 weeks
10	Long course on Air Pollution, Sources, Standards, Monitoring, and Control	8 weeks



# Maritime Education & Training Short Courses

## Diving

No.	Course Name	Duration
1	Professional Scuba Diver	6 Weeks
2	Surface Supply Divers	12 Weeks
3	Surface Supply	2 Weeks
4	Offshore Diver	2 Weeks
5	Under Water Cutting & Wet Welding	2 Weeks
6	Under Water Video & Still Photography	2 Weeks
7	Under Water Search & Light Salvage	2 Weeks
8	Diving Supervisor	3 Weeks
9	Air Chamber Operator	2 Weeks
10	Life Support Technician	2 Weeks
11	CSWIP 3.1 U Level I	2 Weeks
12	CSWIP 3.1 U Level I	2 Weeks
13	Recreational Tourism Diving	12 Weeks



## Approval & Accreditations



**MAERSK  
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