



International Maritime College Oman



STC-GROUP

ClassNK
ISO 9001



Process Operations Technology
Short Courses

Sail with IMCO towards excellence

Welcome to IMCO

IMCO (International Maritime College Oman LLC) has been established on 24 April 2005. IMCO is owned by the Government of Oman (70 per cent) and the STC Group, Rotterdam, the Netherlands (30 per cent). The STC Group, Rotterdam puts its world-wide experience and reputation on education and training at the disposal of the Arabic world. The STC Group is also active in Philippines, South Africa, Namibia, South Korea and Vietnam.

IMCO offers short courses for companies active in the port, shipping, transport, logistics, oil, gas, and petrochemical process industries, that want to have the best educated, trained and certified employees to perform their operations. For these industries, IMCO is the only high-quality training institute in the GCC region. We allow your company to outsource any of your training needs with ease and confidence. In return you will get well trained employees, prepared to do their jobs even better. We offer many different short courses at all levels. We deliver practical skilled personnel, directly able to make a contribution to your company's operations and management.

We understand that your company is unlike any other company, and that your company has specialized demands regarding personnel. Whenever you require customized theoretical and practical courses, IMCO offers you this unique possibility. Our team of specialists is always willing to compose the training or course content by mutual agreement with you. Short courses can be conducted in various places: Muscat, Sohar, Salalah, Sur or in your company, depending on the demand and need for training equipment (like simulators) during the course.

IMCO is white listed and fully credited by the Ministry of Transport and Communication to issue STCW certificates or certificates of proficiency.

IMCO - Putting People First

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Glance at IMCO

IMCO (International Maritime College Oman LLC) has been established on 24 April 2005. IMCO is owned by the Government of Oman (70 per cent) and the STC Group, Rotterdam, the Netherlands (30 per cent).

Besides Short Courses, IMCO offers the following Diploma and Degree programs:

- Nautical Studies (Deck Officer and Marine Engineering);
- Port, Shipping and Transport Management (Part Time and Full Time);
- Engineering for Process Operation Technology (Part Time and Full Time).

There are four main reasons why IMCO is the institute for your training and education.

- 1.IMCO is the only education and training institute in the GCC Region that offers Diploma and Degree Courses, and Short Courses for the Maritime, Shipping, Port, Transport and Petro-Chemical Process Industries for male and female.
- 2.IMCO offers attractive training and education using classroom training and modern course material like computer and chemical labs, simulators and even a real process plant!
- 3.Through close contact with the different industries IMCO is well aware of the labour market and the industry demand.
- 4.IMCO is supported by the STC Group, Rotterdam putting its world-wide experience and reputation on education and training at the disposal of the Arabic world. The STC Group is also active in Philippines, South Africa, Vietnam and many other countries.

Partner of IMCO

The partner of IMCO is the STC-Group (www.stc-group.nl) from Rotterdam. The STC Group in Rotterdam pools the expertise of suppliers worldwide, for the shipping, port, transport and logistics chain, as well as the port-based oil, gas and chemical sectors.

The STC Group is a world-wide strategic combination of education, training, research, consultancy and implementation service providers for the entire shipping, port, transport and logistics chain as well as for the port-related petrochemical industries. Not only is the STC Group familiar with all aspects of the logistics chain and closely involved in the daily routine of contemporary transport activities, but it is also able to provide comprehensive planning solutions for future developments. Nowhere else will governments and companies find a partner similar to the STC Group which offers all these integrated services on the basis of 'one-stop shopping.

Tailor Made Program

All courses described in this brochure can be adjusted according to customer's requirements. Together with our partner we can offer every type of training required by the Port, Shipping and Transportation industry.

Assessments & Selection

IMCO can help terminals to assess and select new staff!

Advice

Based on years of experience in a variety of terminals, IMCO can advise terminals on staff requirements and recruitment policies.

Specialised courses for HR staff

IMCO has specialised courses for HR-staff concerning how to assess and select new, especially operational, staff.

Simulator based assessment

IMCO can use simulator(s) to assess future staff. This has the advantage that for all assessed persons exactly the same exercises and conditions can be used. This enables very objective assessment since for all assessed staff exactly the same parameters are used. The assessment is independent of the time of the day, the assessor and the assessment evidence is delivered by means of computer graphs and video movies.

For assessing, IMCO cooperates with her strategic partner: the STC Group from Holland. The STC group has many years of experience and has undertaken similar projects for numerous international companies. A more detailed track list can be provided upon request.

Basic Process Operator

For whom

This course will be helpful to all the process operators to refresh their knowledge.

Objectives

Upon completion of the course, the participants should be able to:

- Describe the roles and responsibilities of operators
- Describe the characteristics of an operator
- Describe the Process Plants
- Describe the various Process Mechanical Equipments
- Describe the various process vessels like reactors, catalyst vessels, separators
- Describe the preservation of catalysts and other equipments during shutdowns
- Describe the procedure for handing over and taking over the equipments
- Describe safety permit systems
- Describe the safety in Process plants

Topics

- Introduction to Process Plants
 - Roles and responsibilities of an operator and routines
 - Process Plant equipments
 - Instrumentation and control system
 - Details about Electrical equipment's available in Process plants
 - Process plant operation including utilities section operation
 - Start up and shutdown procedures and the importance of various steps in process plants
 - Handing over and taking over procedure of equipment's
 - Annual shutdown and its activities
 - Preventive maintenance and predictive maintenance
- Personality Development topics - communication, time management, Team building, etc.,

Training information

All relevant course materials and case studies will be provided.

Duration

The duration of the course is 12 weeks

Assessment and certification

Instructors will assess the participants through written exams and upon successful completion of the course an IMCO certificate will be issued.

Location

The course can be provided at your company or at IMCO.

Number of participants

The minimum number of participants is 10 and the maximum is 20.

Costs

The cost of the course is OMR 45 per person per day. This is including instructor (s), course materials and the use of our facilities.

Tank Terminal Operator

For whom

This course will be useful for technicians who want to work as a tank terminal operator in the process industry.

Objective

Upon completion of the course the participant will be able to work as a tank terminal operator in the process industry.

Topics

- Storage - transportation of materials, mixing, filling, packaging
- Introduction to process control
- Safety in handling of chemicals and storage
- Elementary chemistry, cleaning waste, repair leakages
- Theory of fire and Firefighting equipment's
- Personality development topics communication, self-motivation, team work.

Training information

All relevant course materials will be provided. During the course the participants will gain both theoretical knowledge and practical experience.

Duration

The duration of the course is 16 weeks.

Assessment and certification

Instructors will assess the participants through written exams and upon successful completion of the course an IMCO certificate will be issued.

Location

The course can be provided at your company or at IMCO.

Number of participants

The minimum number of participants is 8 and the maximum is 20.

Costs

The cost of the course is OMR 45 per person per day. This is including instructor (s), course materials and the use of our facilities.

Oil Products and Refinery Process

For whom

This course will be of benefit to process operators working in Refinery and Petrochemical industry.

Objectives

Upon completion of the course participants should be able to:

- know specifications and characteristics of fuels and other oil products
- Have a better understanding of the different stages from crude oil to specific products.

Topics

- Crude oil and oil products
- Refinery and refinery products
- Product specifications
- Storage and blending operations
- Environment and safety aspects.

Training information

All relevant course materials will be provided. During the course the lecture notes are complemented by a series of (short) movies.

Duration

The duration of the course is 5 days or 10 evening sessions.

Assessment and certification

Instructors will assess the participants through written exams and upon successful completion of the course an IMCO certificate will be issued.

Location

The course can be provided at your company or at IMCO.

Number of participants

The minimum number of participants is 8 and the maximum is 20.

Costs

The cost of the course is OMR 45 per person per day. This is including instructor (s), course materials and the use of our facilities.

Boiler Operation and Control

For whom

This course will be helpful to Mechanical and Chemical engineers working as control engineers in power generation units as well as those working in process industries where steam generation is needed. Also, mechanical engineers working in maintenance will benefit from this course.

Objectives

Upon completion of the course, the participants should be able to:

- Describe the principles of steam production
- Describe and draw the construction of a boiler
- Detail the water circuit and the controlling methods
- Understand the fuel and air needs of a boiler
- List the boiler start up and shutdown procedures

Topics

- Introduction to boilers
- Boiler design and construction
- Feed water and steam circuit
- Boiler fuel and air
- Boiler operations

Training information

All relevant course materials will be provided.

Duration

The duration of the course is 4 weeks.

Assessment and certification

Instructors will assess the participants through written exams and upon successful completion of the course an IMCO certificate will be issued.

Location

The course can be provided at your company or at IMCO.

Number of participants

The minimum number of participants is 8 and the maximum is 20.

Costs

The cost of the course is OMR 45 per person per day. This is including instructor (s), course materials and the use of our facilities.

Safety in Ammonia Plant Operation

For whom

This course will be helpful to Operators, Supervisors and engineers working in Ammonia Plant

Objectives

Upon completion of the course, the participants should be able to:

- Describe about the Ammonia Plant critical parameters and their importance
- Describe about the importance of tripping when the process parameters exceeds the allowable value
- Describe about the various procedures for catalysts charging and discharging
- Describe about the preservation of catalysts and other equipments during shutdowns
- Describe about the procedure for MOC (Management of Change)
- Describe about various emergencies and how to tackle them safely.
- Apply the principles from case studies

Topics

- Introduction to Ammonia Plant operation
- Ammonia Plant critical parameters
- What is a Trip system? Why tripping is given for critical parameters?
- Catalyst discharging and charging procedures
- How to handle a Management of Change
- Start up and shutdown procedures and the importance of various steps
- Trouble shooting and handling the emergencies

Training information

All relevant course materials and case studies will be provided.

Duration

The duration of the course is 2 weeks.

Assessment and certification

Instructors will assess the participants through written exams and upon successful completion of the course an IMCO certificate will be issued.

Location

The course can be provided at your company or at IMCO.

Number of participants

The minimum number of participants is 10 and the maximum is 20.

Costs

The cost of the course is OMR 45 per person per day. This is including instructor (s), course materials and the use of our facilities.

Process Measurements

For whom

This course will be helpful to Mechanical and Instrumentation engineers working in process control positions as well as those working in the Maintenance Department needing to trouble shoot problems in measuring equipment.

Objectives

Upon completion of the course, the participants should be able to:

- Describe the principle of temperature, pressure and flow measurement
- List the different types of measuring instruments in each category
- Choose the appropriate measuring instrument for any given purpose
- Perform error analysis in measurements

Topics

- Temperature measuring devices
- Pressure measuring devices
- Flow measuring devices
- Compute the amount of error in a measured quantity

Training information

All relevant course materials will be provided.

Duration

The duration of the course is 2 weeks.

Assessment and certification

Instructors will assess the participants through written exams and upon successful completion of the course an IMCO certificate will be issued.

Location

The course can be provided at your company or at IMCO.

Number of participants

The minimum number of participants is 8 and the maximum is 20.

Costs

The cost of the course is OMR 45 per person per day. This is including instructor (s), course materials and the use of our facilities.

Hydraulic System Maintenance

For whom

This course will be helpful to Mechanical Engineers working in Maintenance Department in Power Generation, Process industries where hydraulic equipment like presses and metal forming equipment is used.

Objectives

Upon completion of the course, the participants should be able to:

- Outline the hydraulic system safety requirements
- Describe the maintenance procedures of hydraulic fluid, pump, and
- Trouble shooting methods in hydraulic systems

Topics

- Hydraulic system safety
- Maintenance practices
- Fluid and pump maintenance
- Trouble shooting hydraulic systems

Training information

All relevant course materials will be provided.

Duration

The duration of the course is 2 weeks.

Assessment and certification

Instructors will assess the participants through written exams and upon successful completion of the course an IMCO certificate will be issued.

Location

The course can be provided at your company or at IMCO.

Number of participants

The minimum number of participants is 10 and the maximum is 20.

Costs

The cost of the course is OMR 45 per person per day. This is including instructor (s), course materials and the use of our facilities.

Pumps, Actuators and Valves

For whom

This course will be helpful to practicing Mechanical and Chemical Engineers working in Process Operation and Maintenance Departments.

Objectives

Upon completion of the course, the participants should be able to:

- List the types of pumps, and parts
- Performance of a pump
- Malfunctions during pump operation
- Troubleshooting
- Valves & actuators
- Describe their working with a diagram
- List the types of valves
- Describe the pressure and direction/flow control valves

Topics

- Pumps, construction and working
- Actuators, construction and working
- Valves, construction and working
- Modes of failure of valves
- Parts of different valves using working models

Training information

All relevant course materials will be provided.

Duration

The duration of the course is 4 weeks.

Assessment and certification

Instructors will assess the participants through written exams and upon successful completion of the course an IMCO certificate will be issued.

Location

The course can be provided at your company or at IMCO.

Number of participants

The minimum number of participants is 10 and the maximum is 20.

Costs

The cost of the course is OMR 45 per person per day. This is including instructor (s), course materials and the use of our facilities.

Heat Transfer Equipment

For whom

This course will be helpful to Process Engineers working in Maintenance Department in Power Generation, Process, and Petrochemical industries where heat transfer equipment such as double pipe heat exchanger, shell and tube heat exchanger, thermal conductivity experiment, used.

Objectives

Upon completion of the course, the participants should be able to:

- Compute the heat transfer coefficient
- Understand the applications of shell and tube, double pipe heat exchanger.

Topics

- Discovering modes of heat transfer
- Explore overall heat transfer coefficients
- Recommend on selection of heat transfer equipments for specific applications

Training information

All relevant course materials will be provided.

Duration

The duration of the course is 6 hours in a span of 10 days.

Assessment and certification

Instructors will assess the participants through written exams and upon successful completion of the course an IMCO certificate will be issued.

Location

The course can be provided at your company or at IMCO.

Number of participants

The minimum number of participants is 10 and the maximum is 20.

Costs

The cost of the course is OMR 45 per person per day. This is including instructor (s), course materials and the use of our facilities.

Centrifugal Pumps

For whom

This course will be helpful to Mechanical Engineers working in Erection, Commissioning and Maintenance Departments. It is also useful to engineers involved in plant design.

Objectives

Upon completion of the course, the participants should be able to:

- Classify different types of pumps
- Explain their construction and working principle
- Choose an appropriate pumps for a given job
- Know the basic start up, shut down and maintenance of pumps

Topics

- Classification, Design and Function of pumps
- Normal system parameters and selection criteria
- Operation and maintenance

Training information

All relevant course material will be provided.

Duration

The duration of the course is 4 weeks.

Assessment and certification

Instructors will assess the participants through written exams and upon successful completion of the course an IMCO certificate will be issued.

Location

The course can be provided at your company or at IMCO.

Number of participants

The minimum number of participants is 10 and the maximum is 20.

Costs

The cost of the course is OMR 45 per person per day. This is including instructor (s), course materials and the use of our facilities.

Industrial valves

For whom

This course will be helpful to Operators & technicians working in oil & process industries, which has more numbers of industrial valves

Objectives

Upon completion of the course, the participants should be able to:

- Outline the specific functions of each types of valves
- Describe the parts & materials of different valves
- Select an appropriate valve for any application
- Fault diagnosis & Trouble shooting of valves
- Describe the functions, parts, working of industrial valves

Topics

- Introduction of industrial valves
- Regulating valves
- Stop valves
- Check valves
- Relief & Safety valve
- Valve symbols
- Selection of valves for any industrial application
- Automatic valves
- Troubleshooting of industrial valves

Training information

All relevant course materials will be provided.

Duration

The duration of the course is 1 week.

Assessment and certification

Instructors will assess the participants through written exams and upon successful completion of the course an IMCO certificate will be issued.

Location

IMCO.

Number of participants

The minimum number of participants is 10 and the maximum is 20.

Costs

The cost of the course is OMR 45 per person per day. This is including instructor (s), course materials and the use of our facilities.

Process Simulation & Control

For whom

This course will be helpful to Process Engineers working in Maintenance Department in Power Generation, oil & gas, Process, and Petrochemical industries.

Objectives

Upon completion of the course, the participants should be able to:

- Understand the process system and functioning of equipment's.
- Understand the process variable parameters.

Topics

- Working 14 types of process system and simulation
- 3D interactive system
- Explain the different process variables and its role in the process system

Training information

All relevant course materials will be provided.

Duration

The duration of the course is 8 hours in a span of 15 days.

Assessment and certification

Instructors will assess the participants through written exams and upon successful completion of the course an IMCO certificate will be issued.

Location

IMCO

Number of participants

The minimum number of participants is 10 and the maximum is 15.

Costs

The cost of the course is OMR 60 per person per day. This is including instructor (s), course materials and the use of our facilities.

Process Plant Troubleshooting

For whom

This course will be helpful to Process Engineers working in Maintenance & operation Department in Power Generation, oil & gas, Process, and Petrochemical industries.

Objectives

Upon completion of the course, the participants should be able to:

- Understand the process plant operation
- Understand the process variable parameters, troubleshooting.

Topics

- 14 types of process system and Troubleshooting
- 2D & 3D interactive system

Training information

All relevant course materials will be provided.

Duration

The duration of the course is 8 hours in a span of 15 days.

Assessment and certification

Instructors will assess the participants through written exams and upon successful completion of the course an IMCO certificate will be issued.

Location

IMCO

Number of participants

The minimum number of participants is 10 and the maximum is 15.

Costs

The cost of the course is OMR 60 per person per day. This is including instructor (s), course materials and the use of our facilities.

RA-Risk assessment

For whom

This course will be helpful for engineers and safety officers who require to make risk assessment and for those who are involved with electrical safety regulations and implementation.

Objectives

Upon completion of the course, the participants should be able to:

- Perform risk assessment and form risk table
- Manage the risks arising from hazards.

Topics

- Introduction to risk assessment
- Types of hazards and risks
- Forming risk table
- Environmental, electrical, construction& process risk assessments
- Risk determination and reduction
- Risk communication and management

Training information

All relevant course materials will be provided.

Duration

The duration of the course is 2 weeks.

Assessment and certification

Instructors will assess the participants through written exams and case study and upon successful completion of the course an IMCO certificate will be issued.

Location

The course can be provided at your company or at IMCO.

Number of participants

The minimum number of participants is 10 and the maximum is 20.

Costs

The cost of the course is OMR 40 per person per day. This is including instructor (s), course materials and the use of our facilities.

HSE for supervisors and managers

For whom

This course will be helpful for engineers, safety officers and supervisors those who require to manage health safety and environment as per legislations.

Objectives

Upon completion of the course, the participants should be able to:

- Identify and reduce hazards
- Prepare for safety audit and implement HSE systems

Topics

- Hazards identification and reduction
- Safety management systems
- Forming risk table
- Safety audit
- Safety accountabilities
- HSE policy and implementation
- Risk communication and management

Training information

All relevant course materials will be provided.

Duration

The duration of the course is 4 weeks.

Assessment and certification

Instructors will assess the participants through written exams and case study and upon successful completion of the course an IMCO certificate will be issued.

Location

The course can be provided at your company or at IMCO.

Number of participants

The minimum number of participants is 10 and the maximum is 20.

Costs

The cost of the course is OMR 40 per person per day. This is including instructor (s), course materials and the use of our facilities.

Industrial instrumentation

For whom

This course will be helpful for instrumentation and electronic engineers and supervisors who require to do industrial precision measurements and acquire/monitor process variables.

Objectives

Upon completion of the course, the participants should be able to:

- Design measurement system using sensors
- Trouble shoot and monitor industrial measurement systems

Topics

- Characteristics of measurement systems
- Sensor parameters
- Pressure measurement
- Temperature measurement
- Flow measurement and Level measurement
- Controllers and control systems
- control valves and actuators

Training information

All relevant course materials will be provided.

Duration

The duration of the course is 4 weeks.

Assessment and certification

Instructors will assess the participants through written and practical exams and upon successful completion of the course an IMCO certificate will be issued.

Location

The course can be provided at your company or at IMCO.

Number of participants

The minimum number of participants is 10 and the maximum is 20.

Costs

The cost of the course is OMR 45 per person per day. This is including instructor (s), course materials and the use of our facilities.

Electrical Safety

For whom

This course will be helpful; for electrical technicians/engineers and electrical contractors who require to make electrical wiring for industrial area and for those who are involved with electrical installations.

Objectives

Upon completion of the course, the participants should be able to:

- Perform electrical safety activities.
- Manage electrical safety procedures.

Topics

- Electrical Source
- Electrical system and Requirements
- Electrical Hazards
- Electrical work permit procedures
- Controlling of Electrical Hazards
- Warning and Danger Notification
- Safe Practice

Training information

All relevant course materials will be provided.

Duration

The duration of the course is 1 week.

Assessment and certification

Instructors will assess the participants through written exams and case study and upon successful completion of the course an IMCO certificate will be issued.

Location

The course can be provided at your company or at IMCO.

Number of participants

The minimum number of participants is 10 and the maximum is 20.

Costs

The cost of the course is OMR 40 per person per day. This is including instructor (s), course materials and the use of our facilities.

HSE Induction

For whom

This course will be helpful for technicians, safety officers and supervisors who require to understand and the need of health safety and environment and follow HSE regulations

Objectives

Upon completion of the course, the participants should be able to:

- Identify and reduce hazards
- Face emergency and use safety gadgets accordingly

Topics

- HSE responsibility
- Hazards identification and types of hazards
- Introduction to electrical safety
- Tools safety
- Personal protective equipment
- Noise hazards
- Risk assessment
- Fire hazards and fire safety

Training information

All relevant course materials will be provided.

Duration

The duration of the course is 1 week.

Assessment and certification

Instructors will assess the participants through written exams and practical mock tests and upon successful completion of the course an IMCO certificate will be issued.

Location

The course can be provided at your company or at IMCO.

Number of participants

The minimum number of participants is 5 and the maximum is 20.

Costs

The cost of the course is OMR 40 per person per day. This is including instructor (s), course materials and the use of our facilities.

Chemical safety

For whom

This course will be helpful for technicians and supervisors who are working with chemical industries with the need of working safely with chemical hazards.

Objectives

Upon completion of the course, the participants should be able to:

- Identify and reduce chemical hazards
- Select appropriate PPE and use MSDS while working with chemical hazards

Topics

- Introduction to HSE
- Chemical Hazards identification
- Hazardous metals
- Hazardous gases (carbon monoxide, sulphur dioxide, hydrogen sulphide, nitrogen oxides)
- Personal protective equipment for chemical hazards
- Material safety data sheets
- Chemical Risk assessment
- Storage of chemicals

Training information

All relevant course materials will be provided.

Duration

The duration of the course is 1 week.

Assessment and certification

Instructors will assess the participants through written exams and case study and upon successful completion of the course an IMCO certificate will be issued.

Location

The course can be provided at your company or at IMCO.

Number of participants

The minimum number of participants is 5 and the maximum is 20.

Costs

The cost of the course is OMR 40 per person per day. This is including instructor (s), course materials and the use of our facilities.

Fire safety

For whom

This course will be helpful for technicians, safety officers and supervisors who require to understand and minimize the fire hazards and fire fighting to comply with HSE regulations

Objectives

Upon completion of the course, the participants should be able to:

- Identify and reduce fire hazards
- Face emergency during fire and supervise fire safety systems

Topics

- Introduction to fire
- Fire Hazards identification
- Fire extinguishers
- Fire alarm systems
- Fire training and drill
- Emergency preparedness
- Fire risk assessment
- Fire safety documentation

Training information

All relevant course materials will be provided.

Duration

The duration of the course is 1 week.

Assessment and certification

Instructors will assess the participants through written and practical exams and upon successful completion of the course an IMCO certificate will be issued.

Location

The course can be provided at your company or at IMCO.

Number of participants

The minimum number of participants is 5 and the maximum is 20.

Costs

The cost of the course is OMR 40 per person per day. This is including instructor (s), course materials and the use of our facilities.

Environmental health

For whom

This course will be helpful for HSE officers and supervisors who require to care about environmental health arising from industries

Objectives

Upon completion of the course, the participants should be able to:

- Identify assess environmental hazards
- Evaluate and reduce environmental risks arising from workplaces

Topics

- Introduction environmental health and hazards
- Risks from process industries
- Chemical environmental hazards
- Environmental health legislations
- Environmental risk assessment
- controlling schemes for air pollution
- Environmental impact evaluation

Training information

All relevant course materials will be provided.

Duration

The duration of the course is 2 weeks.

Assessment and certification

Instructors will assess the participants through written and case study and upon successful completion of the course an IMCO certificate will be issued.

Location

The course can be provided at your company or at IMCO.

Number of participants

The minimum number of participants is 5 and the maximum is 20.

Costs

The cost of the course is OMR 40 per person per day. This is including instructor (s), course materials and the use of our facilities.

Basic machine tools

For whom

This course will be helpful to Mechanical / any technical diploma holders / certificate who want to work as a machine operator in the industry.

Objectives

Upon completion of the course, the participants should be able to:

- Describe the different machine tools and its use.
- Describe drilling machine and its operation
- Describe the lathe and its operation
- Describe milling machine and its operation
- Hands on experience on lathe, drilling and milling machine

Topics

- Introduction to machine tools.
- Drilling machine - parts and operation
- Lathe - parts and operation
- Milling machine - parts and operation
- Maintenance tips

Training information

All relevant course materials will be provided.

Duration

The duration of the course is 4 weeks.

Assessment and certification

Instructors will assess the participants through written and practical tests and upon successful completion of the course an IMCO certificate will be issued.

Location

The course can be provided at your company or at IMCO.

Number of participants

The minimum number of participants is 5 and the maximum is 20.

Costs

The cost of the course is OMR 45 per person per day. This is including instructor (s), course materials and the use of our facilities.

Welding Safety and Introduction to Shielded Metal Arc Welding (SMAW)

For whom

This course will be helpful to any technical person who wants to work as a gas welder in the industry.

Objectives

Upon completion of the course, the participants should be able to:

- Describe welding process
- Describe welding safety
- Describe SMAW process and equipments
- Describe Welding symbols
- Describe Selection of Welding electrodes
- Understand Welding Procedure specification
- Describe Gas welding and application
- Describe Gas Cutting
- Describe brazing and application

Topics

During the training the following subjects will be dealt with:

- Introduction to metal joining process
- Welding
- Welding equipment
- Electrodes and selection
- Electrode code and standards
- Welding positions, Welding Procedure specification
- Gas welding, Gas welding equipment and torches, Gas cutting
- Brazing
- Practical exercises

Training information

All relevant course materials will be provided.

Duration

The duration of the course is 4 weeks.

Assessment and certification

Instructors will assess the participants through written and practical tests and upon successful completion of the course an IMCO certificate will be issued.

Location

The course can be provided at your company or at IMCO.

Number of participants

The minimum number of participants is 5 and the maximum is 20.

Costs

The cost of the course is OMR 45 per person per day. This is including instructor (s), course materials and the use of our facilities.







General Conditions

Unless stated otherwise, all courses will be taught in English. Therefore, all participants should have sufficient knowledge of the English language.

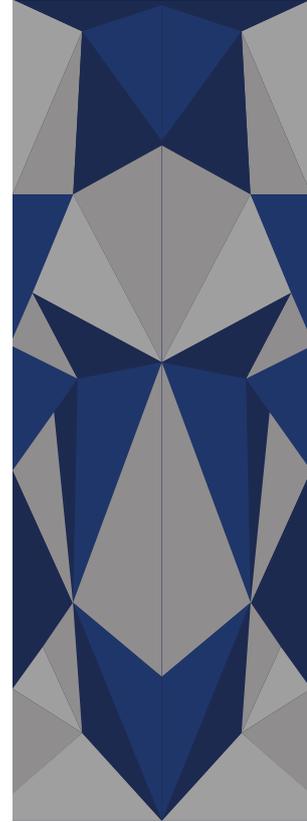
The full amount of the course fees must have been paid to IMCO before the certificates will be issued.

In the event of complaints about the course content and/ or IMCO staff, the complaints should be sent to IMCO in writing only.

All course material used during the course and this short course brochure carries the copyright of IMCO. No part of the course material may be reproduced, stored in a retrieval system or transmitted in any form or by any means without prior written permission from IMCO.

Although this brochure has been made with the utmost care, IMCO cannot confirm the price of a Short Course until you have received a proposal from IMCO.

IMCO has always the right to cancel a course if there are not enough participants. Course fees already paid to IMCO will be refunded if the course is cancelled completely.



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