Marine Environmental Awareness Course / IMO model course 1.38
The Netherlands

Why this course?
Shipping has great potential to be a clean mode of transport. Besides regulations, technical installations and operational procedures, sustainable shipping and protection of the marine ecosystem require competent maritime personnel.

The IMO, aware of the importance of this ‘human element’, added the involvement of seafarers in the ‘prevention of pollution’ to the STCW Code requirements (2010 Manila amendments). For this purpose, the IMO model course 1.38 ‘marine environmental awareness’ was developed by ProSea.

This awareness course challenges maritime professionals to make responsible choices within their own sphere of influence, whilst balancing the profitability of the company and the health of the marine environment.

Target audience
Sea staff and shore staff of maritime businesses who wish to:

- Work on their environmental performance by investing in the human element
- Examine how economic and ecological sustainability can be complementary
- Invest in environmental awareness training as part of the implementation of an Environmental Management System (such as ISO 14001)

Course conditions

- 2 day course (both days: 09:00 – 16.30)
- Course dates – four options:
  - Monday 22 en Tuesday 23 Februari 2016
  - Thursday 7 and Friday 8 April 2016
  - Monday 20 and Tuesday 21 June 2016
  - Monday 19 and Tuesday 20 September 2016

1 Standards of Training, Certification and Watchkeeping
• Minimum 8 and maximum 20 participants
• Language: English (Dutch if all participants are Dutch)

**Summarised course objectives**
Those who have successfully completed the course will be able to demonstrate knowledge and understanding of the importance of preventing pollution to the (marine) environment.

Those who have successfully completed the course shall demonstrate the intention to:
- fully observe procedures for monitoring ship-board operations and ensure compliance with requirements for environmental protection
- act to ensure that the positive environmental reputation of shipping is maintained

**Course program**
**Day 1: Introduction, marine environment, sustainability and discharges to the sea**

<table>
<thead>
<tr>
<th>Morning 9.00 – 12.15</th>
<th>Afternoon 13.15 – 16.30</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Introduction – lecture 1.1 Global context 1.2 Sustainable shipping 1.3 Marine environmental awareness 1.4 Course overview</td>
<td>5. Discharges to the Sea – lectures 5.1 Environmental impact of oil, chemicals (incl. antifouling), sewage, solid waste 5.2 Pollution prevention measures</td>
</tr>
<tr>
<td>3. Marine environment – lecture 3.1 Importance of the oceans 3.2 Marine ecology 3.3 Difference between coastal seas and open ocean 3.4 Particularly Sensitive Sea Areas (PSSA’s)</td>
<td></td>
</tr>
<tr>
<td>4. Regional marine areas – film/lecture</td>
<td></td>
</tr>
</tbody>
</table>

**Day 2: Environmental challenges, pollution prevention, personal involvement**

<table>
<thead>
<tr>
<th>Morning 9.00 – 12.15</th>
<th>Afternoon 13.15 – 16.30</th>
</tr>
</thead>
<tbody>
<tr>
<td>8. Emissions to air, other – lecture 8.1 Environmental impact of other engine emissions (SOx, NOx, PM) 8.2 Other air pollutants from ships 8.3 Pollution prevention measures</td>
<td>11. Other / future challenges – lectures 11.1 underwater noise 11.2 ship recycling</td>
</tr>
<tr>
<td></td>
<td>12.1 Personal behaviour 12.2 Personal responsibility 12.3 Officer responsibility</td>
</tr>
</tbody>
</table>

**Subscribe**
- Send an email to ProSea - [info@prosea.info](mailto:info@prosea.info), telefoonnummer 06-41509652
- Cost: 450 euro per person excl. VAT (two day program, including lunches and all course materials, excluding hotel costs).