The student will acquire training that will cover all aspects of maritime risks, management of safety and prevention and pollution control, from the perspective of engineering and operational, and the regulations and requirements for safety and health. It addresses the needs of both professionals and students working in related management of shipping, ship design, naval architecture and transport management fields and fields including security management, insurance and accident investigation.

On the other hand, one of the objectives of this course is to provide knowledge, understanding and proficiency of skills “COORDINATION OF OPERATIONS SAR”, “RESPOND TO NAVIGATIONAL EMERGENCIES”*. “MONITORING AND ENFORCEMENT OF LEGAL REQUIREMENTS AND MEASURES TO ENSURE THE LIFE AT SEA, MARITIME SECURITY AND POLLUTION PREVENTION », “KEEP THE TERMS OF SAFETY AND PROTECTION OF PASSENGERS AND CREW AND OPERATING CONDITIONS OF RESCUE SYSTEMS, FIRE FIGHTING AND OTHER SECURITY SYSTEMS », ” EMERGENCY MANAGEMENT AND DAMAGES CONTROL including (“Technology of materials Naval architecture and ship construction, including damage control”) competencies required and defined in Section a-II / 2 and a-III / 2 of the International Convention on Standards of Training, Certification and Watchkeeping for seafarers STCW 78/95/2010..
This course will evaluate the following STCW competences:

- Plan and schedule operations
- Ensure safe working practices
- Monitor and control Compliance with legislative requirements and measures to ensure safety of life at sea, security and protection of the marine environment
- Maintain safety and security of the vessel, crew and passengers and the operational condition of life-saving, fire-fighting and other safety systems
- Develop emergency and damage control plans and handle emergency situations
- Control trim, stability and stress

**Study load**

<p>| Total learning time: 45h | Hours large group: | 45h | 100.00% |</p>
<table>
<thead>
<tr>
<th>Theme</th>
<th>Description</th>
<th>Learning time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Them 1- LABORAL RISKS PREVENTION ON MARITIME SECTOR</td>
<td>Knowledge and labour risks management</td>
<td>Theory classes: 12h 30m  Self study : 22h</td>
</tr>
<tr>
<td>Them 2. SEARCH AND RESCUE</td>
<td>Maritime Techniques of Search and Rescue. The SAR Convention. SASEMAR</td>
<td>Theory classes: 8h  Self study : 14h</td>
</tr>
<tr>
<td>Them 4. THE SHIP AS A SOURCE OF POLLUTION</td>
<td>Historical Background National and international regulations on pollution Pollution by sewage from ships Pollution by Garbage from Ships Pollution from ship operations By oil pollution Air Pollution</td>
<td>Theory classes: 8h  Self study : 14h</td>
</tr>
</tbody>
</table>
Them 5. CONTINGENCY PLANNING FOR POLLUTION

Description:
- Behavior of a oil spill at sea
- Elimination and dispersion of pollutants
- Contingency Planning for Marine Pollution

Learning time: 24h 30m
- Theory classes: 8h 30m
- Self study: 16h

Qualification system

Final mark: 0.5*FE + 0.25*Nt1 + 0.25*Nt2
Final exam: 50%
- Nt1: work's mark 1
- Nt2: work's mark 2

Regulations for carrying out activities
- Not be able to pass the course if the student have submitted all the works and activities of continuous assessment and submitted to the final test
- He deemed NOT PRESENTED to the student who fails to appear at the evaluable tests
- In no event shall dispose of any kind of forms or documents in controls or tests

Bibliography

Basic: