The main objective is that future captains and mates, acquire the appropriate skills to perform navigational watch with full responsibility for navigating the ship safely during periods when they are on duty. Also to take appropriate and effective guards to ensure safety at all times while the ship is at anchor or moored and, if the ship is carrying hazardous cargo, the guards are organized taking fully into account the nature, quantity, packing / packaging and stowage the potentially dangerous card and any special conditions prevailing on board, at sea or on land.
One objective of this course is to impart the knowledge, understanding and proficiency of competencies "Establish watchkeeping arrangements and procedures", "Mantain safe navigation through the use of information from navigation equipment and systems to assist command decision making" and "Organize and manage the provision of medical care on board" necessary competencies defined in Section A-II/2 (minimum requirements applicable to the degree of captains and first officers bridge boat d'arqueig dirty or above 500 GT) of the International Convention on Standards of training, Certification and Watchkeeping for Seafarers (STCW). Part two of these skills will be assessed by the simulator, which is evaluated by simulation according to the STCW Code.

### Study load

<table>
<thead>
<tr>
<th>Total learning time: 45h</th>
<th>Hours large group:</th>
<th>45h</th>
<th>100.00%</th>
</tr>
</thead>
</table>

## Content

### CHAPTER 1  INTERNATIONAL SAFETY MANAGEMENT CODE PROCEDURES (ISM - CGS)

**Learning time:** 50h  
Theory classes: 18h  
Self study: 32h

**Description:**
1. Instructions and procedures to ensure the safety of ships and environmental protection under international law and flag State;
2. Procedures for reporting accidents and cases of non-compliance with the Code;
3. Procedures for preparing to deal with emergencies, and
4. Procedures for internal audits and management reviews.

### TEMA 2 BRIDGE TEAM MANAGEMENT (BTM)

**Learning time:** 50h  
Theory classes: 18h  
Self study: 32h

**Description:**
1. Human Factor
2. Leadership and Authority
3. Motivation
4. Analysis of accidents
5. Problem solving and decision making
6. Cultural Awareness
7. Workload, stress and fatigue
8. Communication
9. Teamwork
10. Crisis Management and Conflict Resolution
11. Planning the trip / alternative plans
12. Organization of resources on the bridge
13. Briefing and debriefing
14. Competency Profile Captain / Officer / Official duty (STCW)
15. Perception and situational awareness (anticipation)
16. Determination of security levels (forecast)
17. Management of equipment and technical resources of the bridge
18. Control of results of travel and bridge resource
19. Control yields team
20. Exercises in the simulator
### Qualification system

The final score will be the result of:

- NF = 0.2 \( AC \) + 0.3 \( EP \) + 0.5 \( EF \)
- 20% \( AC \) Assessment during the course
- 30% \( EP \) Partial Exam
- 50% \( EF \) Final Exam

### Regulations for carrying out activities

- Is compulsory to realise the examens final and partial
- Is compulsory to realise the practices and deliver the works proposed

### Bibliography

#### Basic: