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| Course Title | **Safety on Board** |
| Course Code | MANS-131 |
| Course Type | Required |
| Level | 1st Cycle |
| Year / Semester | 1st Year, Spring Semester |
| Teacher’s Name |  |
| ECTS | 3 | Theory | Laboratory | Simulation | Tutorial |
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| Course Purpose and Objectives | The main objectives of the course are to:* discuss general safety issues and the prevention of accidents on board
* demonstrate the proper rowing and sailing practices
* explain the details concerning the safe use of ropes and wire ropes, lifting equipment systems, derricks and cranes, mooring operations, hatch covers, anchors, anchor capstans and chain cable stowage, safety of cargo handling operations
* introduce the personnel safety protocols
* describe the basic safety issues while executing mooring and anchoring maneuvers under any wind, current or tide conditions
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| Learning Outcomes | After completion of the course students are expected to be able to: * comprehend the importance of the general safety issues and implement the best practices to avoid accidents on board
* apply in all weather conditions the proper rowing and sailing practices
* realize the most important details concerning the safe use of ropes and wire ropes, lifting equipment systems, derricks and cranes, mooring operations, hatch covers, anchors, anchor capstans, chain cable stowage
* enhance the safety of cargo handling operations
* exercise all the applicable personnel safety best practices
* execute the basic mooring and anchoring maneuvers under any wind, current or tide conditions
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| Prerequisites | MANS-103 | Required | None |
| Course Content | * Safety and accident prevention
* Cargo related safety – dry and liquid cargo
* Personnel safety – crew safety on board
* Safety and dry & liquid cargo handling
* Safe operation of deck machinery and equipment in different types of vessels
* Safety during mooring and anchoring procedures
* Entry in enclosed spaces
* Work while hanging high
* Safety during maintenance operations
* Filling of safety related forms
* Safety signs on board
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| Teaching Methodology | Lectures, in-class assignments, sound and video equipment, computer, projector |
| Bibliography | * + - 1. **Required Textbooks/Reading:**

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| --- | --- | --- | --- | --- |
| **Authors** | **Title** | **Publisher** | **Year** | **ISBN** |
| ILO | Accident Prevention on Board Ship at Sea and in Port | ILO  | 1996 | 92-2-109450-2 |

* + - 1. **Recommended Textbooks/Reading:**

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| **Authors** | **Title** | **Publisher** | **Year** | **ISBN** |
| Wankhede, A., Kantharia, R. | The ultimate guide to personal safety on ships | Marine Insight | 2012 |  |
| Wankhede, A., Kantharia, R. | The ultimate guide to safety signs on ships | Marine Insight | 2012 |  |

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| Assessment | Homework, in-class assignments, projects, exams, final exam. |
| Language | English  |