

Course Title	Safety on Board				
Course Code	MANS-131				
Course Type	Required				
Level	1 st Cycle				
Year / Semester	1 st Year, Spring Semester				
Teacher's Name	Mr. Tapanides Panayiotis				
ECTS	4	Theory	Laboratory	Simulation	Tutorial
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Course Purpose and Objectives	<p>The main objectives of the course are to:</p> <ul style="list-style-type: none"> • 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 				
Learning Outcomes	<p>After completion of the course students are expected to be able to:</p> <ul style="list-style-type: none"> • 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 				
Prerequisites	MANS-103	Required	None		

Course Content	<ul style="list-style-type: none"> • 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 																									
Teaching Methodology	Lectures, in-class assignments, sound and video equipment, computer, projector																									
Bibliography	<p>Required Textbooks/Reading:</p> <table border="1" data-bbox="480 982 1487 1163"> <thead> <tr> <th>Authors</th> <th>Title</th> <th>Publisher</th> <th>Year</th> <th>ISBN</th> </tr> </thead> <tbody> <tr> <td>ILO</td> <td>Accident Prevention on Board Ship at Sea and in Port</td> <td>ILO</td> <td>1996</td> <td>92-2-109450-2</td> </tr> </tbody> </table> <p>Recommended Textbooks/Reading:</p> <table border="1" data-bbox="480 1234 1487 1478"> <thead> <tr> <th>Authors</th> <th>Title</th> <th>Publisher</th> <th>Year</th> <th>ISBN</th> </tr> </thead> <tbody> <tr> <td>Wankhede, A., Kantharia, R.</td> <td>The ultimate guide to personal safety on ships</td> <td>Marine Insight</td> <td>2012</td> <td></td> </tr> <tr> <td>Wankhede, A., Kantharia, R.</td> <td>The ultimate guide to safety signs on ships</td> <td>Marine Insight</td> <td>2012</td> <td></td> </tr> </tbody> </table>	Authors	Title	Publisher	Year	ISBN	ILO	Accident Prevention on Board Ship at Sea and in Port	ILO	1996	92-2-109450-2	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																									