

## Annotation

<b>14211 Ship handling</b>  <b>Curriculum No4-101-16 for the course in <i>Organisation and management of military units on tactical level, specialisation in Navigation for the Navy</i>, Bachelor's degree</b> <b>90 classes, mandatory discipline</b>		<b>ECTS credits: 7</b>	
<b>Department</b> <b>Fleet and port operations</b>			
<b>Learning outcomes:</b> 1. The students WILL BE FAMILIAR WITH: - The theoretical foundations of ship handling. - The effect of the vessel's structural characteristics and the external factors on evolutions. - Specifics of navigation through narrows, rivers, estuaries, canals and shallows. - The principles of ship handling when conducting the manoeuvres for bringing the vessel to berth, another vessel's side, anchor, buoy, and spring. - The helm and main engine commands and reports when conducting evolutions. - Specifics of navigation in stormy conditions. - Specifics of navigation in icy conditions. - Ship handling when transferring cargo at sea. - Standard procedures for ship handling when conducting man-over-board evolutions and when approaching a pilot station and a pilot vessel. 2. The students WILL BE ABLE TO: - Issue commands for operating the helm and the main engines. - Supervise the activities of the forecastle and the fantail crew when conducting the manoeuvres for bringing the vessel to berth, another vessel's side, anchor, buoy, and spring. - Supervise the activities of the forecastle and the fantail crew when conducting man-over-board evolutions and when approaching a pilot station and a pilot vessel. - Handle a small-sized vessel when conducting the manoeuvres for bringing the vessel to berth, another vessel's side, anchor, buoy, and spring.			
<b>Grading system:</b> The learning outcomes shall be assessed on the basis of ongoing assessment and with an examination grade (EG). To obtain their ongoing grade (OG), the students are given a number of assignments, and their respective grade can be multiplied by a weighting coefficient, or the separate grading assignments (targets) can bring score points. The sum total is 100 points. The ongoing grade is determined by a formula containing the respective grades from the different assignments according to the number and type of testing. A prerequisite to be allowed to sit the examination is 75% lecture attendance and 100% seminar attendance. The final grade (FG) for the discipline can be determined by means of a formula of the type: $FG = 0.6 \times EG + 0.4 \times OG.$			
The discipline covers the competence requirements under the STCW'78 Convention as amended as per IMO Model Courses 7.03 and 7.01.			
<b>Contents of the discipline</b>			
No	Topics of instruction (modules)	Lectures	Seminars
1.	Theoretical foundations of ship handling.	4	2
2.	Safety precautions and handling in an emergency situation	21	0
3.	Measures before and after beaching a vessel	10	0
4.	Ship handling when navigating in shallows, narrows and canals	12	6
5.	Evolutions for approaching a pilot vessel and a pilot station	2	2
6.	Handling the vessel to bring her alongside and away from a quay in simple conditions. Handling the vessel to bring her alongside and away from a quay in complicated conditions. Handling the vessel to bring her to and away from anchorage, buoy and spring.	0	4

7.	Mooring, unmooring, anchoring - procedures: preparation, reports, organisation	6	11
8.	Ground tackle, one and two anchors. Picking anchorage spot. Entering dry dock.	6	4
	<b>Total:</b>	<b>61</b>	<b>29</b>