

Annotation

<p>14204 Ship operations and cargo handling</p> <p>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 30 classes, mandatory discipline</p>	<p>ECTS credits: 8</p>
<p>Department Fleet and port operations</p>	
<p>Learning outcomes:</p> <p>1. The students WILL BE FAMILIAR WITH:</p> <ul style="list-style-type: none"> - The performance characteristics and the specialisation of transport vessels. - The transport-related characteristics and the physico-chemical properties of the cargoes carried by sea. - The most commonly used contemporary technologies for reloading the cargoes carried by sea. - The technological requirements for the carriage of general cargo. - The methods for providing the proper microclimate in the cargo compartments. - The methods for storing perishable and dangerous cargo. - The methods for making the cargo plan and ensuring the integrity and seaworthiness of the vessel when carrying general cargo. - The technological requirements for the carriage of dry and liquid bulk cargo and unit load devices (ULD). - The methods for making the cargo plan for the carriage of dry and liquid bulk cargo and ULD, for ballasting and deballasting the vessel. - The most common traditional, contemporary and prospective technologies for the handling and carriage of cargo by sea. - Standards, rules and recommendations by international conventions and agreements, as well as by national documents related to the safe and secure carriage of cargo by sea. - The requirements and recommendations by IMO for conducting detailed surveys of bulk carriers and tankers. <p>2. The students WILL BE ABLE TO:</p> <ul style="list-style-type: none"> - Plan and manage the preparation of the vessel for the carriage of bulk cargo. - Manage and supervise the cargo operations, the takeover and delivery of cargo. - Ensure the proper storage conditions during their carriage. - Draw up, on their own, cargo plans for the carriage of general cargo in accordance with the transport characteristics of the goods, the voyage conditions and the requirements of the international conventions and the IMO codes. - Manage and supervise the reloading of dry and liquid bulk cargoes and ULD. - Manage and supervise the stowage of general cargo, ULD and grain in accordance with the requirements of the international conventions and the IMO codes. - Draw up, on their own, cargo plans for the carriage of bulk cargo and cargo plans for the carriage of grain in bulk in accordance with the transport characteristics of the goods, the voyage conditions and the requirements of the international conventions and the IMO codes. - Plan and manage, on their own, the preparation of the vessel to be loaded. - Provide management for the cargo operations of the vessel in accordance with the cargo plan on the basis of the transport characteristics of the cargoes and the particulars of the forthcoming voyage. - Select and utilise the proper operating mode of the vessel's ventilating and conditioning systems in accordance with the prerequisites for the preservation of the qualities of the carried cargoes. - Determine, on their own, the mass of the bulk cargo by means of draft survey. - Determine, on their own, the mass of the bulk cargo by means of ullage survey. - Conduct, on their own, inspections of the vessel's structure for damage related to cargo 	

handling operations, corrosion and inclement weather.

Grading system: The learning outcomes shall be assessed on the basis of ongoing assessment and examination grade.

To obtain their ongoing grade, 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 100% lecture attendance and 100% seminar attendance.

The discipline covers the competence requirements under the STCW'78 Convention as amended as per IMO Model Course 7.03.

Contents of the discipline

No	Topics of instruction (modules)	Lectures	Seminars
1.	Cargo care	6	3
2.	Dangerous goods	2	2
3.	Cargo handling equipment and safety	7	0
4.	Carriage of general cargo	9	1
	Total:	24	6