

## **Theory of maneuvering (38)**

Annotation: The subject “Theory of maneuvering” contains four basic parts: general theory of maneuvering, determination of the elements of target ship’s movement (ETM), special tasks of maneuvering and passing each other on safe distance of the ships in restricted visibility.

In part I the basic terms and determinations in the maneuvering, elements of maneuvering and position, applying of relative motion method during maneuvering of two ships.

In part II the methods for determining ETM.

In the part III, “Special tasks of maneuvering”, the questions for approaching to the object of maneuver and deviation from it and questions of maneuvering during sailing in convoys are treated.

The part IV treats the questions for maneuvering of the ships in restricted visibility for safe passing with one, two and more targets with change of course, speed or both simultaneously, carrying out and control of the maneuver until the completion of passing with the target.

Laboratorial exercises have purpose to form in the students the necessary practical habits for solving the tasks of ships’ maneuvering on chart and on maneuvering board.

Basic sections of the contents:

- Basic terms, basic elements, relative motion;
- Determination of the elements of target movement (ETM);
- Special tasks of the maneuvering;
- Passing at safe distance in restricted visibility.