

# **ERASMUS+**

# **MARINE AUXILIARY SYSTEMS**

**It is a mandatory STCW course for marine engineering students.**

# Course description

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- Aim of the course is to explain auxiliary systems used on-board ships. The course brings together auxiliary equipment, piping, main engine etc.
- Main (diesel) engines turbines, boilers and auxiliary equipment have been explained in other courses but this one explains systems necessary for their operation.
- Also, there are systems called general purpose systems like: bilge, ballast, fire-extinguishing systems etc. and, not less important, systems involved in liquid cargo transport (but this theme is omitted in ERASMUS program).
- The mostly applied systems are explained, including exploitation and fault finding.
- Auxiliary equipment is explained only if certain characteristic defines system design or its operation.

# Student obligations

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- Since, only few students select this course, there aren't regular lessons on a weekly basis. On student demand two 3 – 4 hours lectures are given. Upon each of two lectures a homework is set, followed by a partial exam.
  - Instead of a homework, practical exercise on the engine room simulator or refrigeration equipment simulator is presented and student's activity is evaluated.
  - Each partial exam and homework or practical exercise's report is scored.
  - This score is multiplied by an arbitrary coefficient because of a language barrier.
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