



SEARCH AND RESCUE SIMULATION

Mother Language | Maritime Navigation | Maritime Safety | Maritime Law



MARITIME ECONOMY



PEDAGOGIC CONTENT:

- View the correct methods to use distress signals
- Know the procedure to report your position
- Recognition of the main radar functions
- Recognition of the main navigational instruments
- Introduction to radio communication
- Know the main navigation system integration
- COLREGs knowledge
- Apply search and rescue procedures

PRE-REQUISITES:

- Geometry
- English language
- Cartography's fundamentals
- Vector calculation

NEW COMPETENCIES TARGETED/LEARNING

STUDENTS WILL BE ABLE TO:

- Know the basic procedures of SAR (search and rescue) operations
- Use radar and ARPA as systems to determine the rescue route
- Use communication techniques and procedures in English language






SEARCH AND RESCUE
SIMULATION








DESCRIPTION:

PREPARATION

-  #1: The teacher choose a near Maritime College (School) with Bridge Simulation
-  #2: The teacher require authorization
-  #3: The teacher, In according with Maritime College teachers, define the simulation scenario

IMPLEMENTATION


-  #1: Into virtual laboratory, the teacher explains the scenario overview
-  #2: The students, supported by teachers, perform the required actions
-  #3: The teacher analyzes the data obtained and the actions taken by each student
-  #4: The class contributes to the final discussion which will highlight the advantages and disadvantages of the choices made, and the correspondence with international standards relating to safety of navigation


Type of activity  Experimental activity


Target audience  From 16 years old

Place  Simulation room

Material needed  None

Duration of activity  Preparation: 8 hours
Implementation : 8 hours

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Maritime College (School) with Bridge
Simulation

Links  STCW 95 Amended 2010 (COLREGs)
<https://www.imo.org/en/About/Conventions/Pages/COLREG.aspx>
<https://www.imo.org/en/OurWork/HumanElement/Pages/STCW-Convention.aspx>

Notes by author  None



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