



## Course: High Voltage Safety and Maintenance Course (HV Course)

### Course aim

The overall educational aim of the High Voltage Safety and Maintenance course is to provide participants with solid theoretical and practical knowledge required to understand the safe operation and maintenance procedures carried out periodically within high voltage naval and terrestrial installations.

### Course objectives

On successful completion of the HV course, the trainees are expected to be able to:

- Operate high-voltage equipment (switches, separators, transformers, electric panels) onboard modern ships;
- Demonstrate capability to use the high-voltage electrical equipment, the switchgear of any electrical power system of the naval power station;
- Understand the way in which diagrams are created, the role and location of components;
- Carry out manoeuvres and conceive manoeuvre charts;
- Demonstrate technical capabilities to detect types of defects in high voltage systems and to carry out maintenance procedures.

### Target group

The course is open to technical persons (Seafarers and auxiliary personnel from the shipping industry) who have the interest to learn about high voltage system, regardless of age or experience.

### Entry requirements

- General knowledge of electro-technics, electro-mechanics, electricity.
- High school diploma in technical field.

### Booking

Application process starts with e-mail sent to: [tc.registration@cmu-edu.eu](mailto:tc.registration@cmu-edu.eu). Applicants would be confirmed and coordinated by the Course Coordinator.

### Payments

HV Course fee – 800 RON (200 Euro).  
For CMU students Course fee – 600 RON (150 Euro).

### Course duration

5 days, 30 hours

### Course location

Constanta Maritime University Nautical Base, 2, Strada Cuartului, Constanța 900001, HV Simulator.  
<https://goo.gl/maps/XPuSjNVJoSz>

### Number of participants

Minimum 5 - Maximum 12

### Learning Process

The training sessions combine theoretical lessons and practical exercises with demonstrations. The course materials will be delivered to participants in electronic format. These are written in English and the course will be held in English unless otherwise agreed.

### Assessment

The trainees' knowledges are assessed by written and practical examination at the end of the course. On successful completion of HV Course, the trainees will receive the Certificate of course completion.

### Information

Constanta Maritime University is approved by The Romanian Naval Authority to provide The High Voltage Safety and Maintenance Course.

### Contact details

Course Coordinator: Senior Lecturer. Dr. Marian Dordescu  
Web: <https://cmu-edu.eu/dp/high-voltage/>