

The aim of this course is to teach students to use small boat Radar to assist decision-making in navigation, pilotage and collision avoidance.

Switching on and setting up

- Adjusting brilliance
- Contrast
- Gain
- Range
- Tuning

Refining the picture

- Adjust the sea clutter and rain clutter controls to suit prevailing conditions
- Head up and North up mode

Understanding the picture

- The factors affecting the clarity of the visual image

Radar reflectors

- Understanding what affects the received image

Fixing Position by radar

- Plot the vessel's position. Use of VRM and EBL

Pilotage by radar

- Understands how to prepare a simple pilotage plan including use of clearing ranges

Collision avoidance

- Understands how to determine the risk of collision with another vessel
- CPA, course and speed
- The existence of automatic radar plotting aids (ARPA & MARPA)
- The implications of IRPCS when in restricted visibility