

# RADAR

## SCHEDULE FOR RADAR COURSE



### INTRODUCTION

- Introductions
- Housekeeping
- Course introduction

### BOAT SYSTEMS

- How radar fits into boat electronic systems
- Software and updating

### RADAR PRINCIPLES

- How radar works
- What you will see and limitations
- Effects of beam width and pulse width
- How far you will see

### TECHNOLOGY CHOICES

- Choosing your radar
- Analogue, digital, pulse compressed, doppler

### TARGETS

- What shows up well and what doesn't
- How to make sure you can be seen, radar reflectors
- AIS and radar

### USING YOUR RADAR

- Tour of the buttons
- Choices: head up/north up/course up
- Relative and true motion
- Overlays
- Radar for position fixing, pilotage and anti-collision

### RADAR FOR ANTI-COLLISION

- Definition of collision situation (constant bearing)
- Rules 5/7/19
- Determination of collision risk by EBL, AIS and MARPA
- Advantages/disadvantages of each method
- True and relative vectors
- Target behaviour, moving v stationary

### Q&A

Questions and answers, and things to do when you go back to the boat

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