



## National Yacht Cruising Scheme

### Navigation – Inshore Skipper Theory

This course has been developed to Yachting Australia standards and your YA log book can be signed off after successful completion.

#### **Course Duration – 7 hours over 2 weeks.**

Upon successful completion of this course, participants should have an understanding of how to use a Chart to lay off bearings, plot & steer a safe course, measure distance, prepare a navigational plan for an inshore passage, solve speed/time/distance problems, use transits, marks & lights to establish position, identify times & heights of tides, apply the IALA Buoyage system to the safe Pilotage of a vessel, enter waypoints & plot position using a GPS. Homework will also be required between classes.

#### *Items covered include:*

1. **Charts and Publications.** Information shown on Admiralty charts, chart symbols, standard Chart work.
2. **Navigational Drawing Instruments.** Parallel rulers, dividers.
3. **Definition of Position.** Course and Speed, Latitude and Longitude, nautical mile, true bearing and courses.
4. **Dead Reckoning and Estimated Position.** Definition of DR and EP, plotting on a chart.
5. **The Magnetic Compass.** Variation & deviation, Steering and hand-bearing compasses
6. **Speed and Distance.** Principles of operation.
7. **Tides and Currents.** Causes of tides – Springs and Neaps, Tide tables, Tidal levels and datums, the rule of twelfths. Leeway, Set & Drift.
8. **Global Positioning System.** Practical use of a GPS in conjunction with a Chart.

#### **Important:**

- Training at Shed 3, Nth Wharf Rd, Docklands (2EC7).
- 1830 – 2200hrs.

#### **You will need to bring:**

- How to Read a Nautical Chart (Calder).
- Victorian Tide Tables (Port of Melbourne)
- Chart Aus 143
- Parallel rules, dividers, drawing compass, 2b pencils, soft eraser
- **Optional** – YA Logbook



Yachting Australia  
Training Centre

[www.boatschool.com.au](http://www.boatschool.com.au)  
[john@boatschool.com.au](mailto:john@boatschool.com.au)

**Tele: 1300 663 486**  
**Facs: 9620 0374**

## Enrolment Form – Navigation Inshore Skipper

Start Date: (see website)..... Time: 1830 hours Trainer: John Sanders.

Full Name:..... Birthdate:.....

Home Address:.....

Suburb ..... Post Code..... Email .....

Phone:..... Email:.....

**Please Read Carefully**

- Participant numbers are limited & your booking is subject to a vacancy AT THE TIME OF RECEIVING YOUR PAYMENT. First payments have priority as there is limited numbers. **Your booking is not yet confirmed.**
- Complete the enrolment form with your full details & method of payment.
- Be on time so not to keep others waiting.

**Where to come: \*NB Parking is at door & FREE!**  
 BoatSchool - Shed 3, North Wharf Road, Docklands.  
 Follow signs to Sheds 2 & 4. Melways 2EC7

**Facs to: 9620 0374    EFT Payment: - Hareben, BSB 013497 #478363193**

**Mail to:** Shed 3, Nth Wharf Rd, Docklands 3008 **Cheque or Money Order payable to:** - Hareben P/L

Course Fee: <b>\$120.00</b>	Method of Payment	Cash ..... Cheque ..... Credit Card
Visa ..... M.Card ..... B.Card ..... Name as appears on card .....		
Card Number ..... / ..... / ..... / ..... Expiry Date: / .....		
Signature .....		Total fee including equipment \$.....

**Tick & add to payment if required:**

- How to Read a Nautical Chart (Calder) – \$27.95
- National Yacht Cruising Scheme Logbook - \$25.00
- Victorian Tide Tables - \$8.25
- Chart Aus 143 - \$29.95
- Parallel rules, dividers, 2b pencils, soft eraser - \$49.50

Total for navigational tools \_\_\_\_\_