

Recreational Sailing & Boating Education

Marco Heitz, Instructor
Port Hope, Ontario, Canada
+1-289-251-8797
marco@luckymesailing.com
www.luckymesailing.com

Private & Tailored Programs on:

Celestial & Ocean Navigation

- ✓ Comprehensive Celestial Navigation by H0249 Full / AP3270 Rapid Methods
- ✓ Emergency Navigation, and Celestial Navigation Without A Sextant
- ✓ Easy to use forms with detailed instructions for each line & calculation
- ✓ Choose topics of interest from the full list below or choose a pre-established level
- ✓ Each level contains additional topics and delves deeper into the topics

LIST OF TOPICS	LEVEL 1	LEVEL 2	LEVEL 3
Introduction to Celestial Navigation	✓	✓	✓
PZX Triangle	✓	✓	✓
Hour Angles, Meridians, Aries, & Time	✓	✓	✓
Sextant use, errors, corrections, & calibration	✓	✓	✓
Characteristics with pros/cons of celestial bodies: Sun, Moon, Polaris, Stars	✓	✓	✓
The Nautical Almanac	✓	✓	✓
Correction Tables, Eclipses, Daily Tables, Star Charts, Sun, Moon, & Polaris	✓	✓	✓
Conversions of time: Arc, Zulu, GMT, & LMT	✓	✓	✓
Significance of Twilight	✓	✓	✓
Sight Reduction Tables	✓	✓	✓
Meridian Passage of the Sun	✓	✓	✓
Timed Sun Sights	✓	✓	✓
Sunset, Twilight, & Sunrise	✓	✓	✓
Moon Sights		✓	✓
Polaris Sights		✓	✓

Private & Tailored Programs on:

Celestial & Ocean Navigation

Star Sights			✓
Plotting Celestial Navigation results	✓	✓	✓
Electronic Aids to Celestial Navigation			✓

Celestial & Ocean Navigation Program Fee Schedule

Program	Format	Hours	Schedule	Cost	Max People
Level 1	Online Live & In-Person	8	3 x 2 hrs + 1 x 2 hrs	\$299 pp	8
Level 2	Online Live & In-Person	12	4 x 2 hrs + 1 x 4 hrs	\$399 pp	8
Level 3	Online Live & In-Person	16	5 x 2 hrs + 2 x 3 hrs	\$499 pp	8
Additional Tutoring (students)	Online Live & In-Person	TBD	As Requested	\$45/hr	2
Private / Tailored	Online Live & In-Person	TBD	As Requested	\$60/hr/1 pers. \$45/hr/pp/2+ppl	4