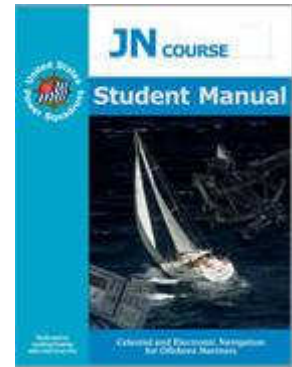


Junior Navigation

Length: 10 Sessions

Cost:

This is the first course in a two-course program of study in offshore navigation. It is designed as a practical “how to” course. The primary goal is to introduce the marine sextant and the associated navigation techniques. The squadron has sextants for student’s use in taking sights. Students are required to have their own plotting tools (which were acquired during Piloting and Advanced Piloting) and a scientific calculator. Students receive a copy of ‘Celestial Tools’, a PC-based program for determining almanac and planning data for the sun, moon, planets, and stars. Group outings are held to practice taking accurate sights using the marine sextant.



Subject matter includes:

- Working with Universal Time and Local Time, understanding time zones
- Celestial navigation theory
- Use of the Nautical Almanac
- Use and care of the marine sextant
- Taking accurate sun sights (group outings for taking sights are provided)
- Reducing sights to establish a line of position
- Determining a Running Fix and a Fix from celestial lines of position
- Specialized charts and plotting sheets for offshore navigation
- Establishing offshore navigational routines

Additional sessions may be added as required. Group outings are held to take sextant sights.