

PRIMARY COURSE: List of Subjects

1. Orientation: Goals and Objectives of Polynesian Voyaging Society. Objectives of the planned voyage. Outline of the training and selection process.

Instructor: PVS President or Board Member 2 hours

2. Vessel Orientation: History of the Hokulea. Construction. Nomenclature. Vessel sailing characteristics. Basic seamanship. This session classroom only.

Instructor: Wally Froiseth 2 hours

3. Basic Seamanship: Dockside familiarization with vessel, sail handling, etc. Two groups, weekend mornings.

Instructor: Wally Froiseth 2 hours

4. Safety and Emergency Procedures: Demonstrations of emergency equipment, when and how to use. Man overboard. Maneuvers and procedures for same plus shortened sail, damaged rigging, hull or equipment. Distress procedures, including injured crew member.

Instructor: Steve Somsen 4 hours

5. Culture: Migration theories. Sailing Routes, canoe types. Traditions, legends and historical data. Non-instrumental navigation, what it is, how it works.

Instructors: Abe Pianaea, Alex Spoehr 4 hours

6. Navigation:

Nautical Astronomy Will Kyselka 2 hours

Sun, Moon, Stars:
direction, latitude,
longitude. Will Kyselka 2 hours

Star Identification Will Kyselka 4 hours

Field trips to Kaena Pt.,
Makapuu, for star ident. Kyselka, Thompson,
Somsen, Stroup.
2 evenings(mornings?)

6. Navigation (continued)

Daytime appearance of sky,
cloud forms, wave and swell.

Migratory birds, flotsam. Instructor: _____ 2 hours

7. Climatology of the Region:

Weather patterns in eastern Pacific
Winds, general circulation, seasonal
changes.

Currents, waves, and swell.

Applications to projected sailing
route and season.

Instructor: D. Stroup 4 hours

8. Long Distance Voyaging:

Organization and discipline

Food, living conditions

Personal gear

Incidents at sea

Keeping of personal logs

Instructors: Crew members of former trips 4 hours

9. Birds and Marine Life:

Migratory birds. Species, routes and seasons.

Inshore birds. Species and habits.

Identification. Use of pictures, stuffed
birds if possible. Significance in navigation.

Instructor: to be selected. 2 hours

10. Health:

Physical and emotional well-being under stresses
of voyage.

Do's and don't's. Food, sleep, exposure, what to do
in case of illness.

Instructors: Charman Akina, Ben Young 2 hours

11. Research:

Research goals of voyage. Basis of experimental
design. Techniques. Recording and documentation.
Research product. Significance of research results.

11. Research (continued)

Instructor: G. Rothwell

2 hours

12. Review:

A total of eight hours has been provided for review of material presented. Scheduling and method of presentation are left to the instructors to arrange by mutual agreement.

Included in this time is student evaluation. Further discussion is needed to determine a suitable method for evaluation, due to the very wide range of educational backgrounds expected among the students.

13. In addition to evening classroom sessions, it is recommended that all students in the primary course obtain at least one session on the vessel at dockside, one day sail, and one overnight sail during the course. Because these "practical" sessions will be subject to weather and individual commitments, scheduling will have to be done 'on the fly' during the course.

14. Evaluation: The purpose of the primary course is twofold: First, to provide a common background of knowledge among all the crew candidates, and Second, to assist in evaluation of each candidate for later crew selection. For these reasons, it should be emphasized to each candidate that his attendance at all or as many sessions as possible, is very important.

Notes:

Suggested classroom schedule is 2 hours Monday evenings and 2 hours Wednesday evenings, allowing shift to other nights by agreement among candidates and instructors.

A total of 36 hours of classroom time is listed. In addition, two late night field trips, a morning dockside session, a one-day sail, and a two-day sail are included.

Use of the Planetarium at Bishop Museum and classroom space at Kamehameha Schools is required.

Instructors should be strongly encouraged to prepare lecture notes in advance for handout to candidates.