



**Reference No**  
011/002

**Duration**  
22 weeks

**Location**  
FOST HM,  
HMS DRAKE,  
Plymouth

**IELTS**  
6.5

**Frequency**  
3 courses every  
two years

## ADVANCED SURVEY

### Aim of course

To train Officers in advanced aspects of Hydrographic surveying including the ability to undertake detached survey operations in support of military tasks by meeting the following Training Performance Standards:

- ◆ Take HM1/Change responsibility for Surveys
- ◆ Plan Surveys
- ◆ Analyse Survey Data
- ◆ Present Survey Products
- ◆ Maintain Survey Standards

### Outline syllabus

- ◆ Meteorology
- ◆ Mathematics, Oceanography and Applied Science
- ◆ Geodesy, Control and Adjustment
- ◆ Positioning and Tides
- ◆ Practical Survey and Survey Planning
- ◆ Sonars and Echosounders, Bathymetrics and Geophysical Data Gathering, Analysis and Validation
- ◆ Survey Planning, GIS and Data Management

### Entry standards

- ◆ Have completed an International Hydrographic Organisation Cat B Course and consolidated it with a minimum of 2 years practical experience

### Examinations / qualifications gained

Students may register privately with the University of Plymouth for a Post-Graduate Diploma Revision Book in Hydrographic Surveying. The Diploma will be awarded to those students who achieve at least 50% in all examinations.

### Note

This course was accredited by the International Hydrographic Organisation as a Cat A course in 1999 so that the student will still get the thorough training in the more advanced aspects of Hydrographic Surveying as did the students on the old Long Course.



### International Defence Training (Royal Navy)

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