

NZOIA™ Bush Instructor Level 2 Syllabus

SCOPE

This award is for those persons who are instructing, organising and leading others in multi day overnight trips into remote, untracked terrain extending above the bushline, in all weathers and seasons, where ropes are not usually required. Groups will normally be using tents or huts and snow will not normally be encountered.

This award is for those persons instructing the Outdoor 1 and Bush 1 syllabi.

1. SKILL AND EXPERIENCE

- 1.1.1 The NZOIA Bush 2 Instructor/leader will have no less than 20 days experience of multi-day tramping in a variety of bush types and terrain. To include at least 10 days experience of multi-day trips into remote areas extending above the bushline
- 1.1.2 Additional experience of not less than 20 days experience as a instructor/leader or co-instructor/leader on such trips.
- 1.1.3 The NZOIA Bush 2 Instructor/leader will be conversant with relevant publications (range = NZMSC manuals, Bushcraft, Managing risks, Outdoor FirstAid, Outdoor Pursuits Guidelines, Organisational codes of practice) and be able to demonstrate a good knowledge of the bush environment and procedures required in an emergency.
- 1.1.4 The NZOIA Bush 2 Instructor/leader will hold a current First Aid Certificate (Outdoor First Aid recommended) issued within the last three years.

These are minimum requirements, extra days are advised so that a broad spectrum of variables are experienced.

In the following areas the NZOIA Bush 2 Instructor/leader will be expected to:

2. ENVIRONMENTAL CARE

Element - Enhance personal and group knowledge of the bush environment

- 2.1.1 Demonstrate and explain to others the Environmental Care Code (DOC 1991).
- 2.1.2 Demonstrate a basic knowledge of the flora, fauna, geology and history in a given area of New Zealand bush and/or a given area above the bushline.
- 2.1.3 Describe the major organisations involved in the use of bush and mountains of New Zealand, their history and purpose eg. Department of Conservation, Federated Mountain Clubs.
- 2.1.4 Describe the significance of various features to the local iwi in a given bush area.
- 2.1.5 Describe the rights of users and non-users of firearms.
- 2.1.6 Demonstrate ways to minimise rubbish and deal with biodegradable waste to avoid pollution of waterways above the bushline.

3. CLOTHING AND EQUIPMENT

Element - Plan and prepare equipment for bush and above the bushline trips.

- 3.1.1 Demonstrate a knowledge, care and repair of the equipment commonly used in New Zealand for tramping trips above the bushline. This will include the types, characteristics, limitations, cost, care, maintenance, storage and practicality of:
- | | | |
|----------|---------------|-------|
| clothing | packs | boots |
| tents | sleeping bags | rope |
- 3.1.2 Demonstrate the principles of using layered clothing for different weather conditions.
- 3.1.3 Demonstrate how to pack personal and group equipment and list the minimum requirements for an overnight trip.

4. BUSH SKILLS

Element - Move safely and confidently with a group in the bush and above the bushline environments and demonstrate the ability to adjust plans when those environments dictate.

4.1 Moving with a group

- 4.1.1 Demonstrate appropriate walking skills (range = pacing, rhythm, foot placement, energy efficient methods) in varied terrain (range = thick bush, sub-alpine scrub, tussock, rocky broken ground, scree, slippery ground) and explain the potential dangers to others.
- 4.1.2 Select an appropriate route above the bushline route, identify the potential risks and disclose these effectively to others.
- 4.1.3 Co-ordinate a group in thick bush, sub-alpine scrub, tussock, rocky broken ground, scree, slippery ground.
- 4.1.4 Select appropriate pace, resting schedule and organisation (range = leader, tail, load distribution, buddies) for a group to enable a given objective to be achieved.
- 4.1.5 Demonstrate the ability to safeguard a group during travel on steep terrain above the bush line using the following methods:
- route selection
 - spotting and buddy support
 - lowering packs/equipment
 - fixed hand line with secure anchors

4.2 Navigation

- 4.2.1 Demonstrate knowledge and use of maps (range = types, scales, symbols, grids, contours, features, orientation).
- 4.2.2 Orientate a map to ground using features only and compass only.
- 4.2.3 Describe route detail and calculate distance / time within (+/-10%) for a given trip using a map.
- 4.2.4 Locate a specified point on the map using a 6-figure grid reference plus map number.
- 4.2.5 Determine present position on a given map using natural features, observation and memory only at any time.
- 4.2.6 Navigate across varied and steep terrain off track above the bushline using a map and natural features for extended periods with limited visibility.
- 4.2.7 Travel using both a magnetic and grid compass bearing taken from a given map.
- 4.2.8 Plan route using map and identify emergency escape routes.
- 4.2.9 Find the bearing and back bearing to a feature using a compass.
- 4.2.10 Locate a specified position using a compass (resection).
- 4.2.11 Navigate around a given obstacle using a compass.
- 4.2.12 Locate general directions without a compass.
- 4.2.13 Follow a marked track (range = good and poor visibility) and explain the current methods of marking tracks in New Zealand.
- 4.2.14 Describe the hazards of bush / above bushline travel and demonstrate one strategy to overcome this hazard.
- 4.2.15 Explain the influence of vegetation and wild animals on travel.

4.3 Weather

- 4.3.1 Describe the weather patterns as they affect New Zealand.
- 4.3.2 Obtain weather information for a given trip into a bush region.
- 4.3.3 Demonstrate the ability to anticipate weather conditions from changes in clouds, temperature and wind direction in the high country and react accordingly.
- 4.3.4 From a synoptic chart make general interpretations as to future weather, wind direction and speed, temperature and precipitation.

4.4 Campcraft

- 4.4.1 Select a campsite above the bushline, set up tent/s and identify natural hazards present.
- 4.4.2 Demonstrate the advantages/disadvantages of a variety of shelters (range = rock bivvy, fly, bivvy bag).
- 4.4.3 Demonstrate the organisation required for gear and cooking in adverse conditions.
- 4.4.4 Light an emergency fire in adverse conditions above the bushline and show fire safety.
- 4.4.5 Demonstrate hut etiquette and organisation.
- 4.4.6 Describe the advantages/disadvantages and maintenance of three given stoves.
- 4.4.7 Describe the dangers of stove use in tents/confined spaces.
- 4.4.8 Organise balanced, nutritious and varied food plus fuel requirements for a given trip (3-5 days) above the bushline.
- 4.4.9 Describe the special dietary needs of a given group.
- 4.4.10 List the contents of a survival kit and emergency foods to be carried on a given trip above the bushline.
- 4.4.11 Demonstrate hygienic methods of handling/preparing food and preventing water contamination.
- 4.4.12 Explain the importance of fluids and methods to ensure continuous supply during trips above the bushline.
- 4.4.13 Describe toilet regimes for bush / above the bushline and delicate vegetation sites.

4.5 Water Safety

- 4.5.1 Describe when and when not to cross a waterway.
- 4.5.2 Demonstrate the techniques used when travelling in a given stream.
- 4.5.3 Demonstrate techniques required to cross a given bridge with a group safely.
- 4.5.4 Identify the hazards, methods and best crossing points for a given waterway.
- 4.5.5 Identify the hazards for a given coastline trip, and gorge trip
- 4.5.6 Demonstrate safely an individual, a mutual support with a non confident person, and recovery method for a given river crossing.

4.6 Trip Planning

- 4.6.1 Identify aims, objectives and define purpose of a given trip.
- 4.6.2 Produce an initial plan that contains - risk identification and management, consent, access, equipment, weather information, intentions, gear lists, medical information, hut ticketing for a given trip.
- 4.6.3 Produce an overall plan and an emergency plan for a given multi-day above the bush line trip and a gorge trip.

5. LEADERSHIP AND INSTRUCTING

Element - Provide an enjoyable and stimulating learning experience for a group.

5.1 Leadership

- 5.1.1 Demonstrate an awareness and sensitivity to the cultural / special needs of a given group.
- 5.1.2 Demonstrate an effective and full pre / post trip group briefing and debriefing.
- 5.1.3 Demonstrate the leadership style and listening skills most relevant to a given groups needs.
- 5.1.4 Organise and motivate a group/individuals in a bush environment.
- 5.1.5 Organise and control a group effectively during a given emergency.

5.2 Instructional Techniques

- 5.2.1 Prepare a lesson plan and deliver this lesson for any given bush, above bushline skill contained within this award to a given audience.
- 5.2.2 Select and prepare venue, equipment as required for a given lesson
- 5.2.3 Present a given lesson that includes an introduction, uses appropriate voice, language, body language, teaching/visual aids demonstrations and evaluation of learning.
- 5.2.4 Demonstrate a wide knowledge and skill of given topic
- 5.2.5 Facilitate a group discussion using Self evaluation and Peer review that
 - creates a participative open, tolerant learning environment
 - manages unacceptable behaviour effectively
 - deals with expressed fears and anxieties effectively
 - encourages enthusiasm, interest and learning.

6. RISK AND CRISIS MANAGEMENT

Element - Enhance personal and group safety in an bush environment.

- 6.1.1 Demonstrate the ability to adjust plans when the environment dictates.
- 6.1.2 Demonstrate the concepts and principles of managing risk during a given trip.
- 6.1.3 Care for a patient and manage the party for up to 48 hours.
- 6.1.4 Describe procedures used in the event of - an accident or illness in the party, party member being missing, party becoming lost, self becoming lost, ways to assist searchers.
- 6.1.5 Demonstrate a knowledge of different methods of communication in the bush (range = radio, distress signals, cellphone).
- 6.1.6 Demonstrate the ability to construct a given type of emergency shelter (range = bivvy, fly sheet, rock shelter) above the bushline.
- 6.1.7 Demonstrate the ability to construct a given type of emergency stretcher (range = rope, improvised, pole).
- 6.1.8 Describe how the New Zealand Search and Rescue system works and safety for groups around helicopters.
- 6.1.9 Describe the prevention and remedies for - dehydration, hypothermia, hyperthermia, sunburn, allergic reaction, blisters.