

Bush 2



Photo: Whenua Iti Outdoors

Scope and Syllabus

With the support of:



NZOIA™ Bush 2

Scope

Bush 2 Profile

The NZOIA Bush 2 is able to:

- Plan and prepare for a multi-day tramping trip
- Lead and manage groups in bush and above the bushline environments
- Apply weather interpretation and forecasting skills
- Role model and promote accepted environmental practices
- Provide interpretive cultural and environmental information
- Apply effective safety management
- Instruct safe, well managed and positive learning experiences
- Teach advanced bushcraft and navigation skills

Scope

The holder of this qualification can organise, instruct and guide multi-day tramping trips in moderate and hard bush terrain. Trips can extend above the bushline in summer conditions (without snow and no snow forecast). Patches of old snow may exist and can be crossed where no sliding potential exists. Trips above and below the bushline can be in remote, untracked terrain. The assistance of a rope may be required.

Prerequisites

Be a current Full Member of NZOIA

Be 20 years old or over

Hold a current First Aid Certificate (minimum of 12 hours or 2 day course including some direct contact with course tutors)

Hold a current NZOIA Bush 1 qualification. Refer to NZOIA's policy for exemptions.

Have the following experience as evidence in a logbook:

Total experience - 80 days tramping experience (a tramping day is considered to be at least 6 hours) including:

Personal experience - at least 40 days experience on multi-day trips (overnight trips should include both staying in huts and camping)

Instructional experience - at least 20 days instructing, leading or guiding groups on multi-day tramping trips

The prerequisite experience requirements are minimums, extra days are recommended so that a broad range of experience is gained. Experience will include co-instructing/guiding or working as an assistant instructor/guide.

The NZOIA Bush 2 will be conversant with a range of relevant publications e.g.

The New Zealand Weather Book (Brenstrum E.)

New Zealand's Native Trees (Dawson J. and Lucas R.)

Landforms - The Shaping of New Zealand (Molloy L. and Smith R.)

The rise and fall of the Southern Alps (Coates G. and Cox G.)

Bushcraft - Outdoor Skills for the NZ Bush (MSC.)

The Arms Code (NZ Police.)

Registration and Revalidation

Registration and revalidation with NZOIA provide proof of currency for NZOIA qualification holders.

Syllabus

Assessment Notes

The syllabus outlines what the content of the assessment will include and gives an idea of what assessment tasks the candidate will be asked to complete. All judgements on how the candidate meets the syllabus must be based on current good practice and industry standards.

Assessors use three types of direct evidence to judge a candidate's competency:

- Written questions/assignment
- Questioning and discussion
- Observation of practical tasks

In addition to the competencies outlined below, the candidate will be expected to be able to demonstrate or teach any of the competencies outlined in the NZOIA Bush 1 Scope and Syllabus.

Technical Competence

1. Demonstrate advanced navigation techniques above and below the bushline

The candidate will demonstrate:

- 1.1** Navigating across varied and steep off track terrain above the bushline, using a map and natural features
- 1.2** Using a range of advanced navigation techniques e.g. collecting features, catching features, aiming off, attack points, handrails
- 1.3** Travelling on both magnetic and grid compass bearings in thick bush and/or limited visibility above the bushline
- 1.4** Navigating around an obstacle with or without use of a compass

- 1.5 Locating position on a map using natural features, observation and memory only
- 1.6 Using resection to locate position on a map
- 1.7 Familiarity with the use, advantages and limitations of navigational aids e.g. altimeters, GPS

2. Demonstrate campcraft skills above the bushline

The candidate will:

- 2.1 Demonstrate selecting a campsite above the bushline* and identifying any natural hazards present
 - 2.2 Describe the advantages and disadvantages of different camping shelters suitable for use above the bushline e.g. tent, fly, bivvy bag
 - 2.3 Describe the advantages, disadvantages and safe use of different stove types suitable for use above the bushline e.g. gas, methylated spirits and white-spirits
 - 2.4 Demonstrate the organisation skills required for managing gear and cooking in adverse conditions
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- 2.5 Describe appropriate toileting practices for use above the bushline

* In adverse weather conditions the candidate may be required to demonstrate this below the bushline

3. Demonstrate safe river crossing and travel practices

The candidate will:

- 3.1 Demonstrate current good practice crossing methods for a variety of river types e.g. confined gorges, fast down cutting creeks, fast side streams
- 3.2 Demonstrate good practice for an individual, a mutual support with a non-confident person, and a recovery swim for a given river crossing
- 3.3 Demonstrate and/or describe the use of throw bags and/or ropes for river travel and crossing

The Environment

4. Demonstrate knowledge of meteorology and apply weather interpretation and forecasting skills

The candidate will:

- 4.1 Have an understanding of global weather systems and global influences on New Zealand's weather e.g. Coriolis Effect, Hadley Cells, El Niño, La Niña
- 4.2 Be able to describe what the symbols on a synoptic weather map represent and from a synoptic map make a 48-72 hour weather forecast for a given mountain area in New Zealand

- 4.3 Demonstrate the ability to anticipate weather conditions from changes in clouds, temperature and wind direction in a mountain area of New Zealand and based on these observations make a 24 hour forecast

5. Role model and promote accepted environmental practices

The candidate will:

- 5.1 Demonstrate and/or describe the responsibilities to land owners and other users, including access protocols
- 5.2 Have an understanding of the broader social and political issues regarding land use, resource management and conservation in New Zealand, and the affects of these on outdoor recreation
- 5.3 Demonstrate ways to minimise rubbish and deal with biodegradable waste to avoid pollution of waterways above the bushline
- 5.4 Role model and promote the principles of Leave No Trace

6. Demonstrate and/or describe cultural and environmental knowledge of the bush and alpine environments

The candidate will:

- 6.1 Demonstrate a broad knowledge of the flora, fauna, geology and history of the New Zealand's bush and alpine regions
- 6.2 Understand and connect concepts of tikanga Māori to the bush and alpine environments e.g. Pounamu trails, traditional food gathering, Kaitiakitanga, creation stories
- 6.3 Have knowledge of and be able to describe the history and purpose of the major organisations involved in the administration, protection and advocacy of New Zealand's bush and alpine environments e.g. DOC, Federated Mountain Clubs, Mountain Safety Council, Forest and Bird

Group Management and Leadership

7. Plan and prepare for a multi-day tramping trip

The candidate will prepare a written plan for a 3-5 day tramping trip in untracked terrain, which outlines:

- 7.1 The aims, objectives and purpose of the trip
- 7.2 Route information including estimated distances and times, and emergency and alternative routes
- 7.3 Risk and hazard identification and management
- 7.4 Any consent or access issues
- 7.5 How to get weather information
- 7.6 Clothing and equipment lists for both individuals and the group

- 7.7 A menu plan which includes balanced, nutritious and varied food, fuel requirements, emergency food and identifies safe methods for organising group cooking
- 7.8 Intentions information, communications and emergency contacts

8. Lead and manage a group in a bush and above the bushline environment

The candidate will demonstrate:

- 8.1 Selecting an appropriate route above the bushline, identify the potential risks and disclose these effectively to others
- 8.2 Coordinating a group in a range of bush and above the bushline terrain e.g. thick bush, sub-alpine scrub, tussock, rocky broken ground, scree, slippery ground
- 8.3 Safeguarding a group during travel on steep terrain above the bush line using the following methods;
 - route selection
 - spotting and buddy support
 - lowering packs/equipment
 - a fixed hand line with secure anchors
 - belay using a tramping rope and no harness
- 8.4 Establishing rapport and using a leadership style appropriate to the group

9. Apply effective safety management

The candidate will:

- 9.1 Be familiar with the use of and can describe the advantages and limitations of different types of communication devices suitable for use in bush and alpine environments e.g. mountain radio, VHF, cell phone, GPS tracker, PLB
- 9.2 Demonstrate the construction of an emergency shelter suitable for surviving a night above the bushline in adverse weather conditions (wind and rain), using equipment carried and natural features
- 9.3 Have a first aid kit and be able to deal with first aid situations as required
- 9.4 Demonstrate awareness of the risks and appropriate risk management strategies during a bush trip above the bushline and the ability to adjust plans when required
- 9.5 Describe how the New Zealand Land Search and Rescue system works
- 9.6 Describe safety precautions around helicopters
- 9.7 Describe the rights of the users and non-users of firearms
- 9.8 Never compromise their personal safety or the safety of their clients
- 9.9 Demonstrate safe practices and good judgement and decision making within the scope of this qualification

Instruction

The candidate will prepare and deliver teaching sessions for any skill contained in the NZOIA Bush 1 or 2 Scope and Syllabuses to either a group of clients or peers.

10. Instruct safe, well managed and positive learning experiences for clients

The candidate will demonstrate:

- 10.1** A range of teaching skills e.g. introduction, appropriate voice, language and body language, teaching/visual aids, demonstrations, use of teachable moments, evaluation of learning
- 10.2** A wide knowledge of the topic
- 10.3** Demonstrate an ability to impart knowledge to clients on the flora, fauna, geology and history of New Zealand's bush and alpine environments and inspire them to increase their knowledge and direct them to further sources of information

11. Teach advanced bushcraft and navigation skills

The candidate will provide clients with effective instruction in advanced bushcraft and navigation skills. The candidate will be expected to evaluate the needs and requirements of their clients and teach at a level appropriate to these. Possible teaching sessions could include, but are not limited to the following:

- 11.1** Navigation and location awareness using a map and natural features
- 11.2** Advanced navigation techniques e.g. collecting features, catching features, aiming off, attack points, handrails
- 11.3** Navigating around obstacles using a compass
- 11.4** Using navigational aids such as altimeters and GPS
- 11.5** Mountain weather systems
- 11.6** Use of communication devices suitable for use in bush and alpine environments e.g. mountain radio, VHF, cell phone, GPS tracker, PLB
- 11.7** River crossing