

# OENZ COURSE OUTLINE

## *7 day advanced navigation, river crossing & survival course*

### Day 1

**8:30am - Meet your group and Instructor/s** at Darfield Bakery in the Darfield on west coast road/State high way 73. Darfield is a small town approx. 30 mins from Christchurch city.

**9:30am - Arrive at Craigieburn Forest Park location.**

- Packing and selecting good outdoor clothing & equipment
- Gear check
- Introduction to NZ topo 50 maps
- Colours and symbols
  - Scale and distance
  - 6 figure grid references
  - Identifying features ( Valleys, Spurs, Gullies, Ridges, High points, Saddles)
  - Orientating a map using features & using a compass

**12:30 – Lunch**

- Estimating time and distance
- Route planning (off track)
- Navigation legs, this is where it all starts to come together.
  - Lead the group to a given destination, estimating the distance and time required to complete.
  - When you're not leading, your challenge is to follow along on your map and pick the destination once we arrive.
  - Using GPS

## Day 2

**8:00am Breakfast** Pack up camp

**9:30am**

- Introduction to the compass

**11:00am - Leave camp area**

- Navigating in open ground/thin bush using compass techniques (Map: Field Bearings)
- Field: map bearings/triangulations (resections)
- Field: Field bearings

**12:30pm**

- Navigation legs, another chance to consolidate your nav skills
- Emergency scenarios –what to do when things go wrong

**3:30-4pm – Back at vehicles, time to say good bye to the 2 day participants (finish location is 1.5-2hrs from Christchurch) and head to our accommodation in Arthurs Pass.**

## Day 3

### *River Crossing (Mt White Bridge)*

**9:30 am - Meet your group and Instructor/s**

Meet at Mt White Bridge, Arthurs Pass at 9am [See on GOOGLE MAPS](#)

**9:45am - Arrive at River.**

- Gear check
- Decision making & heuristics
- Introduction to different parts of the Rivers
- Identifying river features (braids, eddies, strainers etc...)
- Tips and tricks to check river flow and depth.
- Identifying a safe river crossing location.

**11:00 – River crossing practice (time to get wet!)**

- Footwork
- Group river crossings
  - Backing out if it's too strong
- Solo river crossings

- Backing out/turning if it's too strong
- Pack float river crossing (when it's too deep to touch the bottom)
- What to do if you get taken off your feet (ferry gliding/self-rescue swimming)

### **3:00pm - Back at vehicles**

- End of course paperwork
- Wrap-up & Goodbyes

### **3:30 – Driving Away**

It's approximately 1.5 Hrs from Mt White Bridge to Christchurch Airport/15 mins to Arthurs Pass Village

## **Day 4**

*Please note: Access to steep and challenging terrain takes more time to get to and navigate through.*

**8:30am** – Weather interpretation, forecasting and understanding & trip planning.

### **10:30am - Arrive at organised location**

- Introduction to advanced map reading
- Identifying specific terrain/contour features
- Navigating off track to specific contour features

### **12:30 – Lunch**

- Introduce compass techniques – cross slope/down slope bearings
- Steep terrain travel
- Navigating above the bush line
- Walking through loose/steep/rocky/slippery terrain

**4pm** – Back at vehicles, time to head back to our accommodation in Arthurs Pass

## **Day 5**

Specific skills focus on: Emergency shelters, fire lighting, hand lines & scree travel/steep terrain techniques.

**8:30am** – Continued weather interpretation, forecasting and understanding & trip planning.

### **10:30am - Arrive at organised location**

This morning we learn the skills to build a shelter for a survival situation using nothing but natural resources. Learn how to keep yourself insulated and protected from the elements in South Island Beech Forest as well as how to survive multiple days out by yourself.

Hand lines come in useful if you hit some slippery steep terrain that has a terrible run out. We will look at affective hand lines and how to anchor them to trees in order to descend terrain safely.

### **12:30 – Lunch**

Fire lighting is a skill often overlooked. This afternoon we will look at how to build a fire in adverse weather conditions that will not only stay alight but keep you warm and toasty for hours. You will acquire the skills to build a fire in rainy, wet conditions, how to locate dry timber and materials to keep your fire going.

Steep/ Scree travel can be challenging so we find a local scree slope to head up and practice a range of techniques to apply in steep and scree terrain.

### **3:30-4pm – Back at vehicles, time to head home**

### **7:00pm Evening planning session**

Tonight you will plan your overnight adventure. Your instructor will give you a location to work within and you will plan a route with their guidance that will be executed by the group over the following 2 days.

## **Day 6 & 7**

**8:30am** – Group will provide the instructor with a weather forecast & final trip plan

*Pack up & clean house*

### **9:30am - Arrive at organised location**

Participants will lead the instructor along their route plan, demonstrating skills along the way such as varied navigation techniques and walking techniques, stream/river crossings, hand lines and weather observations.

### **12:30 – Lunch**

Continue shared navigation to the camp location with an approximate arrival time of 2pm

Group to build emergency shelters to sleep out in and a fire (if conditions allow) for overnight

### **Dinner – 5-6pm**

## **Evening – social time**

**Breakfast – 7:00am** – pack up of camp

## **9:00am Departure**

Participants will lead the instructor along their route plan, demonstrating skills along the way such as varied navigation techniques and walking techniques, stream/river crossings, hand lines and weather observations.

## **12:30 – Lunch**

Continue shared navigation along the route to complete consolidating navigation techniques and route travel off track back to vehicle.

## **3:00-3:30pm – Back at vehicles, time to head home**

*\*Please note that this is just a guide to how the course normally run and your instructor may run the course in a different order to best fit in with local conditions and the abilities or the group.*