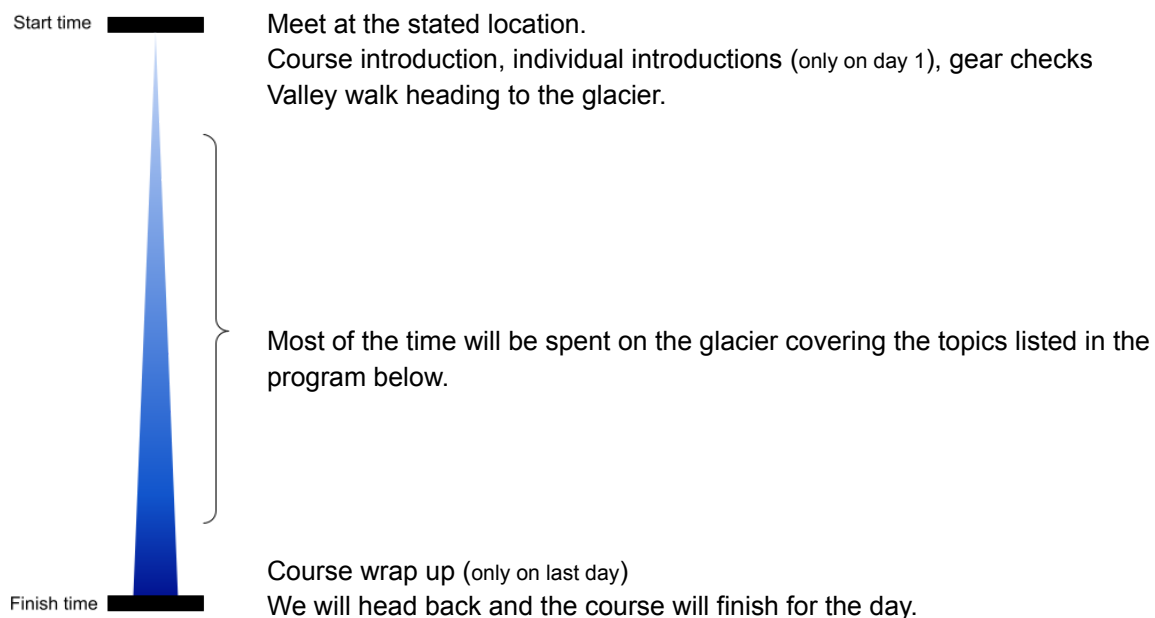




## ADVANCED GLACIER GUIDING SKILLS Course Program

This is a two or three full days course.

The location and start times will be defined specifically for each course. Each participant is responsible for their own transport to attend the course. A list of the course participants will be shared a few days before so you can arrange transportation and maybe share cars.



Be prepared to spend two or three full days non stop on the glacier.

Some considerations:

- **Toilets:** There are no toilets on the glacier. We don't want to leave any solid waste up there. Plan ahead, little rubbish bags are recommended. Bring back your waste with you.
- **Clothing:** Has to be appropriate for a full day on the glacier (6-8 hours). It is important to stay dry and warm on the glacier so you can focus on the course and learn (puffy jacket, gore-tex jacket and pants...).
- **Lunch:** We will not go inside for lunch, nor will we stop the course for a "picnic". We "eat on the go". Please prepare your lunches for each day. It is important to be well fed, so you can focus on the course.
- Bring a Notebook to write notes during each day. This will be very beneficial especially after the course to go over things and to keep things fresh.

## ADVANCED GLACIER GUIDING TOPICS OUTLINE

Professionalism, Personal Equipment and Appearance	Guides equipment. Increased preparedness. What should a guide pack. For what scenarios.
Cramponing Techniques	Crampon progression: uphill, downhill, narrow spaces, traversing. Personal Movement. Footwork techniques.
Risk Management	Hazard ID Rockfall from valley walls Personal safety
Heuristic Traps	Terrain familiarity Expert halo Acceptance
Step Cutting	Different types Cutting steps vs teaching a technique and coach
Instruction and Teaching	Demonstrations. Effective communication.
Complex Terrain Analysis/ Route Selection	Free guiding mentality. Decision making. Fall lines and slide-lines. Contention features. Consequence assessment.
Advanced guiding techniques	Micro route finding and scouting. Spotting. Use of terrain features. Belays: friction choices, angle, anchor/no anchor. Short roping. Fixed lines.
Rope handling	Different techniques. Efficiency. Mountaineering coil.
Anchors	Strength calculations. Different types limitations. Hardware vs bollards.
Lowers	Lower to raise. Raise to lower. Passing a knot through a haul system
Abseiling and Ascending	Two points of safety. Abseil/Prussik past a knot
Advanced Crevasse Rescue	Multiple methods for each gear set-up Problem solving Improvised harnesses.
Ice Climbing	Front pointing. Ice axe technique. Ground anchors. Redirects. Top rope rescue. Take over belay. Progression of climbing techniques: Iron Cross, Staggered Axes, Monkey Hang, Flagging. Leading on ice.

The program will be adapted to the needs and level of the participants.

Other topics that might be included are:

- Weather. Showing an understanding of weather concepts
- Technical equipment. Strength ratings, limitations.
- Assessment scenario. Reactions under stress.

Regarding gear, bring your full guiding rack (carabiners, ratchets, prusiks, slings cordelettes, belay devices, etc), including your rope, full stiff mountaineering boots, climbing ice axes, etc.