School for International Expedition Training

1338 S. Foothill Dr. STE 177

Salt Lake City UT 84108

760-920-3464

[info@expeditiontraining.org](mailto:info@expeditiontraining.org)

Wasatch Ski Mountaineering Course Equipment List

SKI/SNOWBOARD EQUIPMENT:

* Skis or Split Board
* Boots with a walk and ski mode, removable liners, comfortable enough for long days of skinning, boot packing, and ice/neve climbing.
* Poles
* Climbing skins

SNOW SAFETY EQUIPMENT:

* Avalanche transceiver (Digital, 457 kHz, single frequency, w/ 3 antennas, required)
* Avalanche probe (240cm or longer)
* Shovel (flat-backed, metal blade)
* First Aid Kit (personal kit for blisters, small cuts, headaches, upset stomach, etc)
* FM VHF radio (optional)

LAYERS:

* Base layers
* Fleece (med or heavy weight)
* Lightweight down jacket (if you get cold easily)
* Big down jacket, expedition weight
* Gloves, 2-3 pair
* Buff and/or winter hat
* Thermal bottoms
* Ski/snowboard pants

OTHER:

* Goggles (both light and dark lenses would be ideal)
* Backpack, 35-45 liter with reliable ski carry straps on outside and ice axe loops

**The following is optional but will be useful for the course and  future trips**

SNOW STUDY KIT:

* Guides Notebook- 4 5/8” x 7” all-weather paper (“Rite in the Rain” LEVEL, No.311 recommended) or AIARE Fieldbook.
* 2 Mechanical pencils (pens will freeze!)
* Crystal card
* Magnifying loupe (10x or more is ideal)
* Dial-Stem Thermometers (Centigrade)
* Snow saw or Ruschtblock cutting cord
* Clinometer (or compass with clinometer)

MOUNTAINEERING EQUIPMENT:

* Map(s)
* Compass
* Altimeter
* Map ruler, AKA map tool (for measuring distances and slope angles) \*Available from Brooks Range Mountaineering<http://www.brooks-range.com>
* Repair kit (for your specific boots and bindings; consider screws, hose clamps, a multi-tool, bits for your screws, extra ski straps, glop-stopper wax, bolts/nuts, etc.)
* Light ski harness w/ adjustable leg loops, belay loop, and gear loops (rentals available)
* 4 locking, **pear-shaped** carabiners
* 6 non-locking carabiners
* ATC Guide or Petzl Reverso or similar
* 1 Cordelette (6mm x 5-6m)
* 1 Ski rope- 8 or 9mm single or half rope 30-45m
* Small ascender/pulley like Petzl Micro Traxion or Tibloc
* 1 ice screw 19-22 (for V threads)
* 1 V thread tool
* Rescue sled
* Climbing helmet- light weight foam helmets work best (rentals available)
* 2 Ice Tools- the Petzl Sum’tec is perfect (52cm)

The following items are recommended but not necessary:

* Vacuum bottle/thermos
* Whipet pole/axe
* Ski crampons
* Small rescue knife

All necessary optional technical equipment above will be provided by SIET. However, if you plan on launching a personal trip on your own after the course, you’ll need to bring these items.