

School for International Expedition Training

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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 this 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:

- Climbing helmet- lightweight foam helmets work best (rentals available)
- 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/tarp
- 2 Ice Tools- the Petzl Sum'tec is perfect (52cm)

The following items are recommended but not necessary:

- Vacuum bottle/thermos
- Whippet pole/axe
- Ski crampons
- Small rescue knife
- Map(s)
- Compass
- Altimeter
- Repair kit (for your specific boots and bindings; consider binding screws, bits for your screws, hose clamps, a multi-tool, extra ski straps, glop-stopper wax, bolts/nuts, etc.)

All 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 these items.