

## Ski Mountaineering Checklist

### SKIING 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)

### 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 (optional)
- Magnifying loupe (10x or more is ideal, optional)
- Dial-Stem Thermometers (Centigrade, optional)
- Snow saw or Ruschtblock cutting cord (optional)
- Clinometer (or compass with clinometer)

### MOUNTAINEERING EQUIPMENT:

- Map(s) (optional)
- Compass (optional)
- Altimeter (optional)
- Map ruler, AKA map tool (for measuring distances and slope angles)  
\*Available from Brooks Range Mountaineering  
<http://www.brooks-range.com> (optional)
- 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., optional)
- 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 (optional)
- Small ascender/pulley like Petzl Micro Traxion or Tibloc (optional)

- 1 ice screw 19-22 (for V threads, optional)
- 1 V thread tool (optional)
- Rescue sled (optional)
- Climbing helmet- light weight foam helmets work best (rentals available)
- 2 Ice Tools- the Petzl Sum'tec is perfect (52cm) (optional)

Layers:

- Base layers, top and bottom
- Fleece
- (2-3) gloves,
- Waterproof pants
- Big puffy jacket
- Sun shirt/hat
- Buff & winter hat

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 items are recommended but not necessary:

- Vacuum bottle
- Whippet pole/axe
- Ski crampons
- Small rescue knife

All "optional" items 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.

### Technical Gear Available for Rent:

NEED	HAVE	ITEM	OPTIONAL	APPROX.RETAIL
		crampons	yes	\$110-200 <b>Rental: \$30</b>
		harness	no	\$30-120 <b>Rental: \$20</b>
		helmet	no	\$40-110 <b>Rental \$20</b>