

Equipment List

Kellogg School of Management Leadership Expedition

Careful equipment selection is essential for your overall health and comfort. Your thoroughness in this process will have a very direct impact on you and your expedition as a whole. Before selecting what to bring, buy, or borrow from a friend, it is important that you review the equipment list carefully. Students often find they have spent unnecessary money for new gear that is unsuitable for the conditions they will encounter on course.

If you already own an item and are undecided between two options to meet a particular equipment need, consider bringing both items to Patagonia. Prior to departure from NOLS Patagonia, you and your instructors will work together to determine the best strategy. In advance of the course, NOLS headquarters in Lander will also be able to answer some of your equipment questions and to help you determine whether a particular item will be suitable.

If you are purchasing new items for your NOLS course, we suggest that you begin by visiting your local shops, (see the list of NOLS preferred retailers at <http://www.nols.edu/about/partnerships/retailers/>), and looking through mail order catalogues (Mt. Equipment Co-op, Eastern Mountain Sports, REI, etc.) and outdoor magazines (*Backpacker*, *Outside*, *Climbing*) for an approximate gauge of price range and varieties available. A look at advertisements should help you locate a backpacking specialty store near you, or you may wish to mail order your equipment. We do not recommend purchasing footwear via mail order. NOLS has an online store (<http://www.nols.edu/store>) if you wish to purchase items like wind pants, mugs, caps, etc. prior to your arrival at NOLS Patagonia. **There will be no opportunity to obtain equipment marked "Not Available from NOLS" on the following list once you arrive at NOLS Patagonia.**

If you have any questions, please do not hesitate to contact NOLS Professional Training by email, nolspro@nols.edu or phone, 800-710-NOLS ext. 3, 8:00 a.m. to 5:00 p.m. mountain time, Monday through Friday.

Equipment Bill Payment

Your equipment charges will vary according to how many items you obtain from NOLS, and will be totaled at the end of the course and then billed to your home. **Loss and damage costs will be charged to the individual or group, depending on the situation.**

Luggage Storage

NOLS Patagonia has storage space: Items not needed for the expedition should fit in a moderate sized bag, which you may store at our base at your own risk.

Please study this section carefully. It cannot be emphasized too strongly that your choice of personal gear could be crucial to the success of the expedition. You will need to obtain most of the items on this list prior to your course. The availability of each item is indicated as follows.

Purchase Only - Indicates that the item is available from NOLS, but for **PURCHASE ONLY**.

Purchase price listed is for new gear; used gear will be discounted proportionally according to amount of wear.

Not Available from NOLS – Indicates that the item is **NOT AVAILABLE** from NOLS. You must bring these items.

Rent – Indicates that the item is available for **RENT** from NOLS Patagonia.

ALL PRICES ARE SUBJECT TO CHANGE AND AVAILABILITY



Footwear

It is important for your enjoyment and success that footwear fits and performs well. Part of the course will be spent in wet, muddy river valleys or perhaps on snow and ice in below-freezing temperatures. Keep this in mind when reviewing this list.

Equipment	Rental Price	Purchase Price	Quantity	Comments	Check List
Socks	Purchase Only	\$14	4 Pairs	Required. Medium to heavy wool or synthetic socks.	
Gaiters	Purchase Only	\$73	1 Pair	Required. Must be just below knee-high and need to be large enough to fit over bulky plastic boots. We recommend a sturdy nylon zipper, Velcro, or non-zippered type. These take a lot of abuse so they must be durable. NOLS Patagonia has O.R. Crocodile gaiters available for sale. If you are buying your own before arriving to the course, make sure they fit over your boots.	
Camp Shoes	Not Available from NOLS	Not Available from NOLS	1 Pair	Required. For wear around camp and in town.. Students and Instructors have suggested CROCS without holes as a good camp shoe for all courses, easier to dry and lighter to carry than sneakers.	
Leather Backpacking Boots	Not Available from NOLS	Not Available from NOLS	1 Pair	Required. Leather boots are not available at NOLS Patagonia, so you must bring your own. They should fit comfortably with one or two pairs of wool or synthetic socks. Crampon compatible boots are not necessary.	

Clothing

The use of clothing systems to stay healthy and comfortable in adverse conditions is a fundamental aspect of the NOLS curriculum. Your primary tool is judgment, not technology. The newest fabrics and materials simply increase the level of comfort and performance. Synthetics are recommended because they are lightweight and will dry more quickly but wool is also an option. Select for function and durability, and remember you'll be wearing these clothes for two weeks straight, so choose something you'll be happy wearing. Minimizing weight is a high priority on any expedition. Whenever possible, choose equipment that fills multiple needs and enables another item to be left behind. If you are purchasing equipment, scrutinize product information and select the lightest possible combinations offering reliable quality.

Lower Body Layers

You will need to have a total of 2-3 insulating lower body layers. Rain and wind pants would be in addition to this.

Equipment	Rental Price	Purchase Price	Quantity	Comments	Check List
Lightweight and/or Mid-weight Long Underwear Bottoms	Purchase Only	\$42-\$50	1-2 pairs	Required. One lightweight and one midweight is a good combination. These should be polypropylene or wool. Cotton and cotton blends are not acceptable.	
Underwear	Purchase Only	\$22-36	2-3	Optional. You will need 2-3 pairs while in the field. You might have one for wearing, one for drying and one for rotation. Synthetic undies are preferable though women may consider cotton for hygiene purposes.	

Lower Body Layers (cont.)					
Equipment	Rental Price	Purchase Price	Quantity	Comments	Check List
Expedition-weight fleece pants	\$6	Rent	1 pair	Optional. If using 2 pairs of long underwear. These should fit comfortably over a light layer of long underwear. Bibs or shelled fleece are acceptable but unnecessarily heavy. A full-length zipper is convenient for changing layers without removing boots.	
Wind Pants/Hiking Pants	Purchase Only	\$65	1 pair	Recommended. Trekking pants or breathable single-layer nylon wind pants (not waterproof), should fit comfortably over fleece pants. Patches to reinforce the knees and seat are strongly recommended. Wind pants designed and made especially for NOLS are available at NOLS Patagonia and through the NOLS online store.	
Rain Pants	Purchase Only	\$95-\$110	1 pair	Required. A light, strong roomy pant works best in mountain travel. A full-length zipper is very convenient. NOLS has light, non-zippered rain pants by Patagonia and Mountain Hardware for sale.	

Upper Body Insulating Layers					
<p>You will need 3-4 insulating garments that can be comfortably layered. These should be of a variety of weights and insulating values to mix and match as conditions vary. Synthetics are preferable to wool in the damp climate. Choose a combination of 3 to 4 layers from the following options. Cotton garments will not work for insulating layers! Lengths that will stay tucked in below the belt line are preferable. Note that some items are considered a half-layer. Example system 1: One lightweight short or long sleeve, one mid-weight long sleeve, and one expedition weight long sleeve, one fleece vest, one fleece jacket or synthetic insulated jacket. Example System 2: One lightweight long sleeve, mid-weight long sleeve, expedition weight long sleeve, one fleece jacket or synthetic insulated jacket.</p>					
Equipment	Rental Price	Purchase Price	Quantity	Comments	Check List
Sports Bra	Purchase Only	\$43-55	1-3	Two are recommended. NOLS Patagonia has sports bras from Patagonia and Brooks for sale.	
Base Layer Light- and Midweight Top	Purchase Only	\$42-\$72	1-2	Required. Synthetic layers are best for expedition needs. At least one of these layers should be lightweight (short sleeve is fine) for hiking in warm conditions. Additional shirts (1 or 2) should be mid- or expedition-weight. A zippered turtleneck increases warmth and offers some protection against the sun. Short sleeve, silk-weight or very lightweight synthetic or wool tops are considered a half layer.	
Fleece Vest	\$5	Rent	1	Recommended. This is considered a half layer . Great for cool days on the trail!	



Upper Body Layers (cont.)					
Equipment	Rental Price	Purchase Price	Quantity	Comments	Check List
Expedition-Weight Pullover	Purchase Only	\$85-165	1	Recommended. Heavier than a mid-weight synthetic or wool top, but lighter than a pile jacket. Many students find this to be their most versatile layer. NOLS Patagonia has Mountain Hardware expedition-weight zip-T's and Patagonia R1 Hoodies for sale..	
Fleece Jacket	\$7	Rent	1	Optional. Unbeatable warmth-to-weight ratio, but bulky. A variety of weights and styles are on the market. Closeable cuffs, draw cords at waist and hem, and a high snug collar are features that increase warmth without adding significant weight..	
Synthetic Insulated Jacket	Purchase Only	\$160-200	1	Required. This jacket should fit over your other layers and under your rain jacket and can replace a fleece jacket. Down is not a good option for this climate and should ne be taken into the field. NOLS Patagonia has Mountain Hardwear and Montbell hooded jackets with the NOLS logo for sale.	
Wind Shirt	\$10	Rent	1	Recommended. A breathable nylon wind shell. Select for minimal weight, but bear in mind that this layer may take a lot of abuse.	
Rain Jacket	Purchase only	\$110-\$220	1	Required. A light, durable and roomy garment for mountain travel. Ponchos are NOT acceptable designs. This garment should be fully waterproof and have a hood. NOLS Patagonia has light rain shells by Patagonia and Mountain Hardwear for sale. Your rain jacket should be big enough to fit over all your layers.	

Hands					
Equipment	Rental Price	Purchase Price	Quantity	Comments	Check List
Liner Gloves	Purchase Only	\$10	1 pair	Liner gloves are highly recommended and versatile.	
Insulating Mittens/Gloves	Purchase Only	\$20	1 pair	Recommended. Insulating, wool or synthetic. They can be combined with the liner gloves. NOLS has fleece gloves for sale	

Head					
Equipment	Rental Price	Purchase Price	Quantity	Comments	Check List
Wool/Fleece Hat	Purchase Only	\$15-\$25	1	Required. A ski hat is fine. Consider earflaps for added protection.	

Head (cont.)					
Equipment	Rental Price	Purchase Price	Quantity	Comments	Check List
Balaclava/ Neck Warmer	\$4	Rent	1	Optional. Fleece, polypropylene or wool will provide protection and insulation in combination with your hat. Balaclavas offer great versatility.	
Sun hat	Purchase Only	\$12	1	Optional. Consider a full brim for maximum protection. A typical baseball cap is acceptable, but a nylon model will dry more quickly. NOLS Patagonia has Hemp logo and NOLS trucker hats available for purchase.	
Sunglasses	Purchase Only	\$53-\$76	1 pair	Required. Sunglasses should transmit no more than 10% visible light and be at least 97% UV protected. Please remember to bring a durable case to protect your glasses as well as Chums or other "neck leash". If you own a good pair of sunglasses already bring those. NOLS Patagonia has Optic Nerve sunglasses for sale.	

Sleeping Gear					
Equipment	Rental Price	Purchase Price	Quantity	Comments	Check List
Sleeping Bag	\$35	Rent	1	Required. NOLS Patagonia has the Mountain Hardwear Lamina 0° (-18°C) for rent. If you are bringing your own, it must be synthetic fill (eg Polarguard), 0°F to 15°F, with a hood. Down is not acceptable, nor are bags with cotton linings.	
Sleeping Pad	Purchase Only	\$45-60	1	Required. Choose either a closed cell foam pad with a 3/8" thickness, or an inflatable. If you are buying an inflatable, choose a lightweight model of the shortest possible length (does not need to be full length as the half pad can make up the difference). Thermarest, Pacific Outdoor, and Bridge Outdoors are reliable brands. NOLS Patagonia has full length and ¾ length pads from Bridge Outdoors for sale	
Half pad	\$2	Rent	1	Recommended. A half-pad increases insulation, while on snow, and serves as a portable seat for meetings. The foam pad can be a short-cut piece of ensolite, 2-3 ft. long. This option is lighter than a Crazy Creek chair.	
Compression Stuff Sack	\$3	Rent	1	Required. This is to pack your sleeping bag and clothing layers that you will not need to access during the day.	
Sleeping Pad Stuff Sack	Not Available from NOLS	Not Available from NOLS	1	Recommended. A nylon sack to protect the environment from your ensolite/Therma-Rest and vice versa. Bring one if you have your own sleeping pad just in case.	



Packs And Bags					
Equipment	Rental Price	Purchase Price	Quantity	Comments	Check List
Backpack	\$35	Rent	1	Required. Many packs on the market are not large enough to handle the amount of gear we carry or to withstand the use we give them. Your pack must have enough room to comfortably hold 60 to 80 pounds of equipment (7000 cubic inches), and must be an internal frame design. Reliable brands include Dana Design, Deuter, Osprey, and Arc'teryx. If you bring your own pack, it will have to be approved before use on the course. If you do not own a pack, consider renting one. NOLS has Dana Design (Small and Medium) and Osprey (XS, S/M, and L/XL) for rent and Deuter packs (Regular and Large) for rent and available for purchase through the NOLS website	
Small Nylon Stuff Sacks	\$1	Rent	2-3	Recommended. Used to organize gear in your pack.	
Medium Nylon Bag	\$4	Rent	1	Required. A medium-sized, very lightweight zip bag or stuff sack helps to organize and protect clothing in your backpack.	
Heavy Duty Trash Bags	Purchase Only	\$1.50	2-3	Required. The large, strong trash compactor variety work best. These are used to waterproof your clothing and sleeping bag. We suggest you to bring some from home as supplies are not as varied here in Chile.	

Miscellaneous Personal Gear					
Important: Keep in mind that small items as sunscreen, lip balm, bandanas, watch, trash bags could be cheaper and easier to buy in at home than in Chile. Coyhaique is a small remote town with limited availability of everything where all prices tend to increase due to the costs of shipping and taxes.					
Equipment	Rental Price	Purchase Price	Quantity	Comments	Check List
Cotton Bandanas	Purchase Only	\$2.50	2-3	Recommended. Useful for all sorts of things.	
Hand Sanitizer	Purchase Only	\$2	1	Recommended. One travel-sized bottle is required for your course. You can choose to bring your own or purchase at NOLS Patagonia.	
Headlamp, Extra Blub & Batteries	Purchase Only	\$40 (batteries \$1 each)	1	Required. Lightweight is preferable. Bring 2 sets of batteries, or more if you use a super bright halogen bulb. Lithium battery headlamps work well in cold weather. If you will be using lithium batteries, 2 sets should be sufficient. NOLS Patagonia recommends Petzl and Black Diamond headlamps.	
Extra Bulb	Not Available from NOLS	Not Available from NOLS	1	Recommended. Probably not necessary for this course, but you'll be without if your bulb burns out.	



Miscellaneous Personal Gear (cont.)

Equipment	Rental Price	Purchase Price	Quantity	Comments	Check List
Sunscreen	Purchase Only	\$16	1 medium tube	Required. Should have a sun protection factor (SPF) of at least 30 and should be water repellent.	
Lip Balm	Purchase Only	\$4	1	Required. SPF 15 or greater is recommended.	
Toiletry Items	Not Available from NOLS	Not Available from NOLS		Toothbrush, toothpaste, contact lens solution, comb, tampons, etc. This is an area to minimize weight by bringing only what you need: no more, no less. Remember, you've got to carry it!	
Insulated Mug	Not Available from NOLS	Not Available from NOLS	1	Optional. Make sure that these are unbreakable! They must withstand boiling water, cold and abuse. Insulated NOLS tumblers are available in Patagonia. Your mug should be at least 12 oz.	
Spoon	Purchase Only	\$1	1	Required. This must be durable – helps if it fits inside of your bowl.	
Bowl	Purchase Only	\$4	1	Required. We highly recommend that your bowl have a tight lid to carry leftovers on the trail. Tupperware and Rubbermaid both make medium sized bowls, which has proven to be good options. NOLS Patagonia sells GSI bowls with lids.	
Water Bottle	Purchase Only	\$12-\$14	1-2	Required. Wide mouth is convenient. 1 L capacity minimum. Should be indestructible! Consider bringing an additional 1/2 L bottle instead of a mug. NOLS Patagonia has 16oz. and 32 oz. water bottles for sale.	
Hydration System	Purchase Only	\$42	1	Not required, but many folks have recommended them. Camelbak, Platypus and MSR all make excellent hydration systems. NOLS Patagonia sells the MSR Hydromedary.	
Watch	Not Available from NOLS	Not Available from NOLS	1	Required. Waterproof, with an alarm. Bring your own watch or buy in your travels before the start of the course!	
Lighter	Purchase Only	\$2.50	1-2	Required. For starting stoves and fires.	
Small Waterproof Bags	Not Available from NOLS	Not Available from NOLS	2-3	Recommended. For books, passport, papers etc. Nothing bigger than 8" X 12". Zip-lock bags or small stuff sacks lined with a plastic bag are good options.	
Extra Glasses or Contacts	Not Available from NOLS	Not Available from NOLS		If you wear prescription lenses, bring a spare set. Bring contact solution with you. If your natural vision is significantly limited, bring prescription sunglasses We recommend keeping your glasses safe in your carry-on luggage during your travel to Chile.	

Optional Items					
Equipment	Rental Price	Purchase Price	Quantity	Comments	Check List
Trekking Poles	Purchase Only	\$115	1	They are not required but highly recommended. Collapsible poles are easier to pack and carry, especially when bushwhacking	
Camera and Film	Not Available from NOLS	Not Available from NOLS	1	You will want a protective, waterproof container for your camera. Keep this light, simple and small, as you will have to carry the extra weight! Dry boxes and dry bags (e.g. Pelican Cases or Sports bags) are available from most outdoor stores. If you are investing in a new camera or binoculars for this trip, consider those that are water resistant. Because of the likelihood of adverse weather, avid photographers may be interested in bringing a small "point and shoot."	
Knife	Not Available from NOLS	Not Available from NOLS	1	A small, lightweight, single blade is all you will need. A knife with a locking system is recommended, to prevent the knife from opening accidentally.	
Thermos	Purchase Only	\$18	1	Nice to have some thermoses among the group.	
Book	Not Available from NOLS	Not Available from NOLS	1	One is fine. When you're done, you can trade with a tent mate. Instructors will be selecting a small collection of curriculum-related books for the group.	
Coffee	Not Available from NOLS	Not Available from NOLS		NOLS does not have coffee available for sale. If you are attached to a particular brand/type, we suggest you bring it from home.	
Ear Plugs	Not Available from NOLS	Not Available from NOLS	1 pair	These are great for traveling, and for sharing tents with loud sleepers.	
1 Small Notepad/ 2 Pens or Pencils	Purchase Only	\$9/ \$1		Notebooks will be required for class notes and are nice to have for personal writing. NOLS Patagonia has Expedition journals for sale.	

Pre-Course And Post-Course Travel					
Equipment	Rental Price	Purchase Price	Quantity	Comments	Check List
Small Towel, shampoo, soap, deodorant	Not Available from NOLS	Not Available from NOLS		Only for pre- and post-course use. Travel-size.	
English/ Spanish Pocket	Not Available from	Not Available from		Optional, but a small, travel edition can be a great addition to your experience here in Chile. Plastic bindings are best.	



Dictionary and Phrase Book	NOLS	NOLS			
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Passport: Bring a photocopy of the identification page. **You need to retain your Tourist Visa that you'll receive upon entering the country.** For more information, see the Travel and Logistics section of your pre-course information packet.

Group Gear

Group gear is distributed among all expedition members. The specific equipment taken on your course will be determined by the anticipated weather and terrain and the number of group members. **All of the following equipment is provided by NOLS. Some technical equipment, depending on course area and necessity, will be taken along. It is included in your tuition.**

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| Ice Axes: 50-70 cm. | Snow Shovels |
| Climbing Ropes | Tents |
| Climbing Helmets | Food Bags |
| Climbing Hardware and Slings | Repair Kits |
| Multi-Fuel Stove and Cook Gear | Maps |
| Fuel Bottles | Compasses |

Group Library: Books can range from flora and fauna, technical skills, environmentally adequate issues, Chilean history and politics.

First Aid Kits: Our instructors bring a first aid and drug kit, so no need to bring your own.

The expedition format of the course emphasizes the importance of equipment care: The success of your expedition is highly dependent on the performance of your gear which in turn depends on the care that YOU give it!

Gear maintenance and repair will be ongoing. Normal wear and tear is expected, and most repairs can be successfully executed in the field. However, students will be held financially responsible for the loss of any items and for any damage that is due to mistreatment or neglect. This could be as small as a lost \$ 6.00 cook spoon or as large as a poorly treated \$700 tent. At the end of the course, a group gear “damage and loss” charge will be calculated and distributed among the appropriate members of the course. Individuals or groups of individuals will be held fully accountable if they alone bear the responsibility for the loss or damage.