

The gear listed below has to be provided by the student. While out in the field, you will have no chance to buy missing gear. You need to be fully equipped before we head out. Fairbanks has several good outfitting stores (REI on College Road in the East, Beaver Sports on College Road just east of the campus, Prospector on South Cushman).

## *1. Clothing*

The weather will range from 85°F to possibly 20°F. Wind, rain, freezing rain, and snow usually occur at our sites and your clothing should be adequate to handle these conditions. Include enough layers to keep you warm and dry through these conditions. Garments should be easily donned and removed to adjust to rapidly changing conditions.

Outdoor, sports or functional clothing is more expensive than those made of cotton, but dry much quicker: in the field when you sweat or back in the camp after washing.

A softshell, wind shell or fleece jacket and long quick drying pants are ideal for dry conditions. A separate rain jacket or hard shell and rain pants are recommended. If it rains frequently during the three weeks at Limestone Gap, a wet regular jacket will barely dry. Be prepared for rain! Rain pants should be light enough for comfortable hiking but tough enough that the brush won't tear them up.

Bring a comfortable wide belt for a Brunton, hammer, acid bottle, etc.

You should have a warm hat and a light one (e.g. baseball cap) to provide protection from the sun and UV-rays. A balaclava style hat is great because it is quickly adjustable to many weather conditions.

We recommend that you bring a climbing helmet to provide additional protection on steeper rocky slopes. We don't provide helmets, since a comfortable and snug fit depends on your head size. Regular hard hats are not recommended, since they are not very comfortable and are not very stable during hiking.

A pair of warm gloves is necessary for cold/wet weather. Wool gloves are a good compromise between dexterity and warmth.

For protection against bright sun/rock chips. Bright days can be very bright and at high altitudes the glare can be very uncomfortable and blinding. If you don't wear glasses you should bring a pair of safety glasses or sunglasses to wear when breaking rocks. Rock chips or metallic fragments from the rock hammer can spall off with enough energy to injure eyes (Unfortunately, I can





## 5. Other Equipment

Handy, possibly essential – especially one with scissors for trimming mylar, etc.

DEET or DEET-free insect repellants at whatever concentration you prefer. Extremely high concentrations of DEET can melt plastic field gear and are very irritating to the skin, but are effective if applied to clothing (not synthetic fabrics though!) We will supply some DEET and DEET-free sprays, but it's not unlimited.

These are essential. We will have small quantities available in camp, but one should carry this stuff wherever you go.

Bring extra pairs of eyeglasses, contacts and separate containers of medicines. It may be difficult to maintain contact lenses in the field and many of the sites will be windy and dusty, bring spare eyeglasses if you have them. Bring copies of prescriptions as backups. Fairbanks has pharmacies and eyeglasses can be made in Fairbanks, but we will only be in town for a week or so at the beginning and end of the camp. The medical cabinet of the Field Camp is equipped with pain relief, cough and cold medicine, cool packs, ointments, but you are responsible for your own special medication.

## 6. Provided gear

iPad mini, Brunton compass, GPS, protractors, map boards, structural boards

Mobile internet and cell phone connectivity is restricted and not available in remote parts of the Alaska Range and the Talkeetna Mts. For these sections a saWñBT-3(lk)5(v0.0000