
WHAT YOU NEED TO KNOW ABOUT KWANTLEN'S FIELD SCHOOL

This document outlines basic information regarding equipment needs, working conditions, and course content for the field school.

Courses: ANTH 3301 (CRM Methods), ANTH 3340 (BC Archaeology) and ANTH 3361 (Field Studies). All courses are co-requisite and must be taken together. Total for the three courses is 12 credits.

Cost: \$850 plus regular tuition for 12 credits.

Start Date: May 2011

Finish Date: August 12, 2011

Locations: Cloverdale campus, and Boston Bar in the Fraser Canyon

1.0 WHAT DO YOU NEED TO BRING? EQUIPMENT LIST

Students will be required to supply, at their own expense, the following list of personal equipment. Field school instructor(s) will inspect this equipment during an orientation to be held in May 2011. If your gear is found unsuitable, you will be required to replace it. Please seek advice from Brian Pegg (brian.pegg@kwantlen.ca) regarding this equipment if you are unsure about exactly what is required. Please note that this is not a comprehensive list – use your common sense. Have fun shopping. The cost of this gear can add up quickly, so search around and try to borrow as much as you can.

The quality of your field equipment will be directly related to your enjoyment and learning outcomes of the courses. Please pay careful attention to this. I recommend Mountain Equipment Co-op, Valhalla Pure, or Deakin Equipment as places to purchase this gear. **DO NOT** get your gear from Canadian Tire, WalMart, or your cousin's moldy basement!!!!!! Students can obtain a 10% discount at Deakin Equipment by showing a student card.

Students will be provided with a cook stove and a full tank of propane, each one shared between 4 students. In addition, Kwantlen provides a pop-up shelter to go over your picnic table.

Successful applicants will be required to attend an information session where equipment needs will be carefully explained.

Why do you need such a comprehensive list of gear? First, field school students will be camping for 5 weeks, at least five nights a week. Students will be cooking their own food, breakfast, lunch, and dinner. You will need the appropriate gear for you to stay comfortable, dry, and well fed. Second, the field school will be held in a challenging environment and appropriate gear is critical not only to comfort but to safety. The proper boots, for instance, can make the difference between enjoying yourself in the woods all day and needing to go to the hospital with a broken or badly sprained ankle. Last, some of the gear on this list will be with you the rest of your life and is gear you will need if you get a job working in archaeology in BC.

If you wish to “prepare” for field school, go hiking and camping!



Caulk boots: high top boots with metal cleats screwed into the soles. These boots are very good for travelling through forested areas because they allow you to walk on wet wood or mud without losing your footing. For the field school, they are optional but recommended. Good quality caulks are made by Viking and are available at Deakin Equipment. The lace up boots are recommended over the non-lacing version. Think carefully about purchasing these boots, however – they are not useful for anything but fieldwork in the forest. Buy them if you are interested in a career in archaeology.



Cruiser vest: a high visibility vest with numerous pockets for carrying food, water, notebook, camera, compass, or other items. A cruiser vest is far superior to a backpack because you do not need to remove it to access your equipment. For the field school, they are optional but highly recommended. A good quality vest is the Stoneblaze vest from Deakin.

Required. YOU MUST HAVE ALL THIS EQUIPMENT TO ATTEND	Recommended	Approximate Cost (2009)
Survey, Safety Equipment and Clothing		
Most items on this part of the list can be obtained from Deakin Equipment Ltd. 1361 Powell Street, Vancouver - www.deakin.com		
Survey grade compass with declination adjustment and sighting mirror.	Suunto MC-2	\$65
Day pack or <u>cruiser vest</u> .	Nylon cruiser vest with high visibility stripes.	\$100
High visibility mesh safety vest. If you purchase a cruiser vest, this is not required.		\$20
Raingear – top and bottom	Pioneer forestry-grade rain gear with rubberized coating	\$100
Hiking boots – high top NOT hiking shoes. Avoid steel toes.	Caulk boots are recommended <u>in addition</u> to hiking boots, but are optional.	\$160
Rite in the Rain 6 inch No. 2 Field binder		\$10
Duksbak waterproof paper – 7x4.5 metric field level / grid – 100 sheets	Don't get Rite in the Rain paper	\$20
Gloves	Nylon and rubber gardening gloves	\$10
Water bottle or bladder – 2 litres		\$15
Sunscreen and insect repellent		\$15
Personal first aid kit	BC – Basic First Aid Kit	\$40
Camping Equipment		
Tent	Choose quality!	\$250
Sleeping pad	Thermarest plus ensolite pad or Downmat	\$80
Sleeping bag	Choose quality!	\$150 minimum
Tarpaulin (at least 2 m x 2 m in area)	WalMart OK!	\$25
4 mm Nylon cord – 20 m	WalMart OK!	\$10
Cooler	WalMart OK!	\$30
Utensils and cooking gear	Stainless steel	\$30
Headlamp NOT a flashlight or Coleman lantern.	Petzl brand with spare batteries	\$30
Folding knife and lighter	No large “hunting” knives needed.	\$40
Folding camp chair	WalMart OK!	\$20



Excavation at a shell midden on the Sunshine Coast near Powell River. Excavation involves cramped positions and spending the day in the dirt.



*Survey for culturally modified trees the South Ainslie near Boston Bar. Rain or shine!
Usually, no trails exist in the survey location!
Photo shows survey field gear required on Kwantlen's field school.*

2.0 WHAT WILL IT BE LIKE?

Field school will consist of a lab component, class component, survey component, and excavation component.

2.1 Prep component. May.

Students will be required to attend a start up meeting in early May at which equipment, logistics, and student questions will be addressed. In addition, students will have some readings and assignments to complete in May prior to the startup of lab and class work in June.

2.2 Lab and class component. Early to mid June.

For the first two weeks of field school beginning on June, students will be attending the Cloverdale campus. Students will be in class, lab, or outdoors at Cloverdale from 9:00 AM until 3:30 PM four days of the week. During this time, students will be introduced to many of the technical skills that will be further developed in the field, including GPS and mapping, orienteering, health and safety, and map and air photo interpretation. Some lecture hours will also be spent during this first two weeks working on the history and prehistory of British Columbia, heritage legislation in BC, and the state of the professional field of archaeology in the province.

Students will need to come to campus with appropriate footwear and clothing for outdoor work, but will have easy access to indoor facilities and will not be camping.

During this time, students will attend a first aid training session organized by St. John's Ambulance, and will have the opportunity to certify in Basic First Aid (equivalent to WCB Level 1).

2.3 Survey component. Mid to late June.

Following completion of the first two weeks at the Cloverdale campus, students will travel to Boston Bar (approximately 2.5 hours from the lower mainland) in their own vehicles and set up camp at the Anderson Creek campground in Boston Bar, which is easily accessible off of Highway 1..

2.3.1 Camping at Anderson Creek.

Students will be staying in tents at a vehicle accessible campground near the Fraser River, about 2 km south of the community of Boston Bar. This is a fairly basic campground with picnic tables, tent sites, bathrooms, and showers. Students will be responsible for feeding themselves, staying clean, and keeping order in the campground.

2.3.2 Survey in South Ainslie watershed.

Survey will take place in the Cascade Mountains to the east of the Fraser River in an old-growth cedar forest within the Ainslie Creek watershed. Access to the survey location is by rough gravel road. The road is rough but does not require a 4WD vehicle. Several student vehicles will be needed to access the survey location, so some students will need to drive their own vehicles. Car pools will be arranged.

Students will be responsible for developing an inventory of archaeological resources within the study area. Sites here are predominantly culturally modified trees (CMTs). Students will also be taking dendrochronological (tree ring) samples from the CMTs, and learning to document them to acceptable provincial standards using GPS mapping.

Terrain will be uneven, rough, and densely forested. The CMTs are in a patch of old-growth forest that has never been clear cut harvested. This location is surrounded by roads or clear cut areas on almost every side, so the opportunities for getting lost are minimized. Students will be required to hike approximately 2 to 4 km through this terrain every day. The survey component will likely be the most physically demanding part of the field school.



Survey location in South Ainslie Creek. Old growth forest consisting mainly of cedar, fir, and balsam is present here. Local First Nations people have been stripping bark from these trees for at least 250 years. Evidence of this will be documented by students.

2.4 Excavation component. Late June until mid July. Boston Bar.

After the survey is completed, the field school will move locations and work at an ancient, undocumented aboriginal village near Boston Bar. Other sites in the Boston Bar area may also see excavation visits. Boston Bar is excellent for excavation work as the sites are well preserved, present a range of time periods from very ancient to the post-contact period. In addition, several critical historic events took place in the area,

including the Fraser Canyon gold rush, the war of 1858, and construction of the CPR. Our field project is primarily oriented towards investigating aboriginal history of the early post-contact period.

Excavation work will take place over three weeks, and students will be provided opportunities to learn stratigraphy and profiling, shovel testing, site mapping, artifact and feature recognition, and standardized recording processes.

After excavations, the site will be restored by backfilling and removal of all equipment.

2.5 Post field lab and classroom. Mid July until mid August. Cloverdale.

The outdoor component will now be over but there is still much more to learn! Students will pack up their camp and return to Cloverdale, bringing their GPS data, photographs, field notes, tree ring samples, site maps, profiles, and artifacts from the excavation. These materials and data will then be developed into an archaeological site inventory form to be input into the Provincial Heritage Register Database. Students will also be responsible for writing the “Results” section of a technical report detailing the activities of the field school.

This will involve extensive use of computer mapping software and spreadsheets, washing, cataloguing and analysis of artifacts, analysis of tree ring samples, and many other activities.

3.0 YOUR FIELD SCHOOL FEES – WHAT IS INCLUDED?

A total fee of \$850 will be collected from students. This will cover many of the basic expenses of the field school. Kwantlen collects these fees on a cost-recovery basis only, no extra money is being made from student fees.

The fees cover the following:

- Camping expenses
- Rental of a single field vehicle, including fuel, to carry equipment
- Wages for a field assistant
- First Aid course (St. John’s Level I)
- High-budget field and lab equipment (GPS, increment borers, microscopes)

It is important to remember that the following is not covered by student fees:

- Personal transport to and from the field school locations
- Food
- Most basic field equipment (compass, raingear, notebooks, footwear)
- Camping equipment

4.0 WHAT WILL YOU LEARN AND WHY?

The following is a list of the core skills and knowledge areas which will be introduced and developed over the course of the field school. These are the core skill and knowledge areas and do not cover every aspect of field school learning outcomes

- GPS – mapping and navigation
- Orienteering – mapping and navigation
- Maps and air photos – interpretation, navigation, and use for site mapping
- BC Archaeology – culture history
- BC Archaeology – legislation and professionalism
- BC Archaeology – First Nations perspectives
- Health and safety – planning, responses, and first aid
- Teamwork – accomplishing projects in a cooperative group environment
- Recording archaeological sites – provincial standards as defined by the Archaeology Branch in Victoria
- Archaeological site inventory database – obtaining and compiling site information
- Archaeological survey – transects, mapping, and site recognition
- Archaeological excavation – layout, mapping, profiles, sediments, artifact recognition
- Dendrochronology – tree ring dating
- Historic and prehistoric archaeology – artifact analysis and dating
- Report preparation – documentation of inventory and excavation results
- Field data collection – photography, field notes, site maps

ALL of these skills are critical if you wish to work in the field of archaeology or cultural resource management in British Columbia or elsewhere.

5.0 FOR STUDENTS FROM OUTSIDE KWANTLEN

Post-secondary students from outside of Kwantlen are welcome to attend field school, and it is likely that the Kwantlen credits will transfer to your institution (see your academic advisor!). If you are not a Kwantlen student, you will need to take the extra steps to enrol at Kwantlen for the field school semester. The anthropology faculty will help you with this process.