

GEOG 3000A / ENST 3900A

Infopack, Fall 2018

For students intending to register in GEOG 3000 or ENST 3900.
IMPORTANT: *Contains time-sensitive material.*

*PLEASE NOTE – There is required preparation for this field course. A quiz worth 5 percent of your final grade will occur **BEFORE OUR GROUP ACTIVITIES BEGIN** to assess your level of preparation (based on a set of readings that will be provided in advance). The quiz must be completed by Friday, August 24 at 5pm. Please log in to cuLearn in August for more details. Please also ensure that you check your Carleton email regularly over the summer for important information related to this course.*

The **field component of this course** is from **Saturday, August 25 to Thursday, August 30, 2018**. (Saturday at Carleton all day, Sunday meet at Carleton at 8:30 am, then bus trip to Lanark).

Please read all of the materials enclosed in this Field Course Infopack. This package contains all of the information for students pertaining to this course. Please note the deadline dates for registration and the dates of the actual residential portion of the field course. **This infopack contains 4 important documents:**

- 1) This 2 page preamble
- 2) A tentative course outline
- 3) Notes for students on the field component
- 4) Providence Point: Facilities and regulations

Cost: \$285.00, payable by **cash or cheque** to the Department of Geography & Environmental Studies. Payment is by cash or cheque only.

Payment must be given to the Undergraduate Administrator by **Monday, August 20, 2018**.

Cheque payable to *Carleton University Department of Geography and Environmental Studies*.

Drop off: B349 Loeb Building between 8:30-12:00/1:00-4:00 or by mail to:

UG Field Camp
Department of Geography and Environmental Studies
Carleton University
B349 Loeb Building, 1125 Colonel By Drive
Ottawa, ON
K1S 5B6

Eligibility and Registration Requirements

This field course is required for students in **Honours BA in Geography, Honours BA in Geomatics and Honours BA in Environmental Studies**. The prerequisites are GEOG/ENST 2005, GEOG/ENST 2006 and 3rd year honours standing in GEOG, GEOM or ENST. Our 4th year students will be given priority. Once we have 30 students registered a waiting list of students interested in taking the course will be maintained and decisions regarding available spaces will be made after August 10th, 2018.

Note that GEOG 3000 / ENST 3900 is a blocked course. You must use the Course Registration Override System (CROS) to apply for this course. This can be found at the bottom of the online registration page. Please be aware you must register within 10 days after approval has been granted.

IMPORTANT: Participation in this course requires acceptance of the terms of the INFORMED CONSENT AGREEMENT, which must be signed and witnessed in person prior to the start of the field course.

If you require further information or assistance, please do not hesitate to contact the Field Course administrator or instructors. They are:

Undergraduate Administrator (as of July 16, 2018), Karen Tucker

B349 Loeb Building

Phone: (613) 520-2600 x8127

E-mail: karen.tucker@carleton.ca

Derek Mueller, Associate Professor

A329 Loeb Building

Phone: (613) 520-2600 x1984

E-mail: derek.mueller@carleton.ca

Derek Smith, Associate Professor

B449 Loeb Building

Phone : (613) 520-2600 x 8131

E-mail: dereka.smith@carleton.ca

**Department of Geography and Environmental Studies
Carleton University**

Course Outline – Fall 2018

GEOG 3000A / ENST 3900A – Honours Field Course

Prerequisites:

GEOG/ENST 2005, GEOG/ENST 2006, Third-year honours standing in Geography, Geomatics or Environmental Studies, or permission of the Department

Preparation component:

There are required readings to prepare you for field camp. An on-line preparation quiz worth 5 percent of your final grade will occur, with a deadline of Friday, August 24 at 5pm.

Field component:

Saturday, August 25, 2018 at Carleton University, 9:00 am – 4:30 pm, A220 Loeb

Sunday, August 26 to Thursday August 30, 2018 at Providence Point Retreat Centre, Lanark County, Ontario

In-class component:

Seven mandatory class meetings Thursdays, from 2:35 - 5:25 pm, Location: Loeb A220 (see Appendix one, below)

Instructors:

Derek Mueller derek.mueller@carleton.ca, Loeb A329, 613-520-2600 x 1984
Office hours: Thursdays 1:30-2:30 pm or by appointment

Derek Smith dereka.smith@carleton.ca, Loeb B449, 613-2600 x 8131
Office hours: Wednesdays 9:30-11:00 am or by appointment

Course description:

This fall, GEOG 3000 / ENST 3900 will be based in Lanark, Ontario, a rural village and county located about an hour west of Ottawa. Students will be organized into research teams to conduct field research and analyze issues that are of concern in the region. Each group's fieldwork will have some component of environmental studies, human geography, physical geography, and geomatics.

The field camp will take place over 6 days and will be based at Carleton University (non-residential) and Providence Point Retreat Centre (residential) in Lanark. The field camp will consist of one in-school orientation day and one in-field day of background preparation. This skills-development component will be followed by four days of data collection in Lanark. The residential component will include interaction with residents of the region. The rest of the course will be completed during the fall term back at Carleton. Further details on logistics and schedules are listed in Appendix 1.

Objectives and deliverables:

A major objective of the field course is to introduce students to various in-field research methods and sampling approaches, coupled with actual in-field experience. This includes:

- An understanding of the diversity of qualitative, quantitative and spatial data and methods available to researchers conducting field research;
- An understanding of the challenges facing researchers in the field when attempting to obtain data of relevance for a defined research question or issue;
- An appreciation for the importance of ethical research guidelines when conducting research with “human subjects” (i.e., people);
- The importance of preparation for field work, including both conceptual approaches, background on the study area, and practical issues that researchers might face in the field;
- Experience working on real-world research problems; and
- An appreciation of the benefits and challenges of teamwork.

The second major objective is for students to gain experience in analyzing field data in relation to specific research questions, and to situate field research findings in a broader academic context. To this end, the course requirements include:

- Group field research exercises;
- Individual literature reviews;
- A natural science research report; and
- A social science research report.

Recommended reference readings:

Students are ***strongly advised*** to consult the relevant reference chapters in the following texts ***before*** the field camp begins, in order to help you design your research projects. These reference materials (available on reserve in the library) will also be helpful for preparing your research reports:

1. Harris, Richard (2011) *Statistics for geography and environmental science*. Pearson Education: New York.
2. Harrad, Stuard, Leslie Batty, Miriam Diamond and George Arhonditsis (2008) *Student projects in Environmental Science*. Wiley: Hoboken, New Jersey.
3. McGrew Jr, J. Chapman, Arthur J. Lembo and Charles B Monroe (2009). *An introduction to statistical problem solving in geography*. Waveland Press: Long Grove, Illinois.
4. Northey, Margaret, Dianne Draper and David Knight 2015, *Making Sense: A student’s guide to research and writing: Geography and environmental sciences*. Oxford University Press: Toronto.
5. A course handbook on research methods will be provided in PDF format to students.

Required readings for the preparation quiz:

These will be provided in advance of the quiz that will need to be completed on-line by Friday, August 24 at 5pm.

Course evaluation:

Team work

Students are expected to work as part of their team, during all phases of the field work. These include:

- The preparatory period at Carleton and at Providence Point;
- The field work in the Lanark region;
- Compiling and uploading data to cuLearn so that the information is available to all groups; and
- Preliminary analysis of the data obtained during the days on-site.

Individual work:

- Taking field notes (in the field book that will be provided);
- Background research, to situate your findings in a broader context; and
- The writing of two research reports (based on prescribed guidelines).

Further details on the purpose and expectations for each of these evaluation components will be provided separately.

Students will be graded as follows:

Activity	%
Participation (in the field and the classroom)	20
Group participation (data collection, data upload, professionalism)	5
Pre-course quiz	5
Field notes	5
Research report 1	25
Research report 2	25
Reflection paper	10
Field method exercise	5

Standing in a course is determined by the course instructor subject to the approval of the Faculty Dean. This means that grades submitted by the instructor may be subject to revision. No grades are final until they have been approved by the Dean.

Deadlines and class meetings during term:

Deadline 1 – Group data upload must be completed by **Wednesday, September 5, by 23:55** (electronic submission)

Class meetings:

September 6 – Research Report 1 workshop: Structure and requirements of the report.

September 13 – Research Report 1 workshop: Data analysis and display.
September 20 – To be determined.

Deadline 2 – Research Report 1 due on ***Wednesday September 26, by 23:55*** (electronic submission)

Class meetings:

September 27 – Research Report 2 workshop: Structure and requirements of the report.
October 4 – Research Report 2 workshop: Data analysis.
October 11 – To be determined.

Deadline 3 – Research Report 2 due on ***Wednesday, October 17, by 23:55*** (electronic submission)

Final class meeting:

October 18 – Overview of reflection paper assignment; course debrief and review.

Deadline 4 – Reflection paper due on ***Wednesday, October 31, by 23:55*** (electronic submission)

Late policy: Late assignments will be subject to a deduction of 10% per calendar day and will not be accepted after 4 days. If you have a medical issue or there are extenuating circumstances, please contact the course instructors as soon as possible well before the deadline to discuss the situation.

Note: Team work often offers challenges! While we try to avoid problems, they sometimes arise. Please notify your instructors if you have significant concerns.

Note: General GEOG 3000/ENST 3900 course administrative correspondence and announcements to students by the course coordinator will be facilitated through the student's Carleton e-mail account and cuLearn. If you use another e-mail client, please forward your Carleton e-mail to the appropriate e-mail account. Please check **at least daily** for any updates.

Safety:

Students are expected to use common sense and be safe during excursion activities. Please be vigilant and exercise caution at all times. Appropriate clothing should be worn for all studies (outdoor or indoor), and use of insect repellent and sunscreen are highly recommended. Please review the accompanying materials for more information about the field camp. You will be asked to sign an informed consent form to show that you understand the risks of field work.

Academic Accommodation:

You may need special arrangements to meet your academic obligations during the term. For an accommodation request the processes are as follows:

Pregnancy obligation: write to me with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details see the [Student Guide](#)

Religious obligation: write to me with any requests for academic accommodation during the first two

weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details see the [Student Guide](#)

Academic Accommodations for Students with Disabilities: The Paul Menton Centre for Students with Disabilities (PMC) provides services to students with Learning Disabilities (LD), psychiatric/mental health disabilities, Attention Deficit Hyperactivity Disorder (ADHD), Autism Spectrum Disorders (ASD), chronic medical conditions, and impairments in mobility, hearing, and vision. If you have a disability requiring academic accommodations in this course, please contact PMC at 613-520-6608 or pmc@carleton.ca for a formal evaluation. If you are already registered with the PMC, contact your PMC coordinator to send me your Letter of Accommodation at the beginning of the term, and no later than two weeks before the first in-class scheduled test or exam requiring accommodation (if applicable). After requesting accommodation from PMC, meet with me to ensure accommodation arrangements are made. Please consult the PMC website for the deadline to request accommodations for the formally-scheduled exam (if applicable).

Student Conduct:

The University has adopted a policy to deal with allegations of academic misconduct. This policy is expressed in the document Carleton University Academic Integrity Policy, effective July 1, 2006. The policy describes in detail its scope of application, principles, definitions, rights and responsibilities, academic integrity standards, procedures, sanctions, transcript notations, appeal process, and records implications. The complete policy is available at: <http://www2.carleton.ca/studentaffairs/student-rights-and-responsibilities/>

Plagiarism:

Plagiarism is presenting, whether intentional or not, the ideas, expression of ideas or work of others as one's own. Plagiarism includes reproducing or paraphrasing portions of someone else's published or unpublished material, regardless of the source, and presenting these as one's own without proper citation or reference to the original source. Examples of sources from which the ideas, expressions of ideas or works of others may be drawn from include but are not limited to: books, articles, papers, literary compositions and phrases, performance compositions, chemical compounds, art works, laboratory reports, research results, calculations and the results of calculations, diagrams, constructions, computer reports, computer code/software, and material on the Internet.

The University Senate defines plagiarism as *“presenting, whether intentionally or not, the ideas, expression of ideas or work of others as one's own.”* This can include:

- reproducing or paraphrasing portions of someone else's published or unpublished material, regardless of the source, and presenting these as one's own without proper citation or reference to the original source;
- submitting a take-home examination, essay, laboratory report or other assignment written, in whole or in part, by someone else;
- using ideas or direct, verbatim quotations, or paraphrased material, concepts, or ideas without appropriate acknowledgment in any academic assignment;
- using another's data or research findings;
- failing to acknowledge sources through the use of proper citations when using another's works and/or failing to use quotation marks;

- handing in "substantially the same piece of work for academic credit more than once without prior written permission of the course instructor in which the submission occurs."

Plagiarism is a serious offence that cannot be resolved directly by the course's instructor. The Associate Dean of the Faculty conducts a rigorous investigation, including an interview with the student, when an instructor suspects a piece of work has been plagiarized. Penalties are not trivial. They can include a final grade of "F" for the course.

(see: <http://www2.carleton.ca/studentaffairs/academic-integrity>)

Appendix 1: Schedule for GEOG 3000 / ENST 3900, Fall 2018

Preparation quiz – Must be completed by **Friday, August 24 at 5pm**. Readings for the quiz will be provided in advance.

Non-residential portion – Carleton University (A220 Loeb), Saturday, August 25 from 9:00 am to 4:30 pm:

Lectures, meeting each other, lunch outdoors, visit to MADGIC map display, discussion.

We shall cover the following topics on this day of in-school work:

- Introduction to course
- Introduction to field area
- Introduction to project
- Principles of research
- Quantitative, qualitative, and spatial data and research methods
- Class discussion and division into groups

Residential Portion - Providence Point Retreat Centre, Lanark County, Ontario, Sunday, August 26 to Thursday, August 30

- Meet at 8:30 on Sunday at Carleton University in front of the Loeb Building (River level).
- Bus to Lanark, driving tour of region and reconnaissance of study sites on foot.
- Lunch (bring or buy your own).
- Bus to Providence Point
- Dinner 5:30 pm
- Evening talk and bonfire

Residential portion – Fieldwork routine:

Monday, Aug. 27th Data collection 8:00 am – 5:30 pm, after supper activities

Tuesday, Aug. 28th Data collection 8:00 am – 5:30 pm, after supper activities

Wednesday, Aug. 29th, Data collection 8:00 am – 5:30 pm, after supper activities

Thursday, August 30th Data collection 8:00 am – 2:30 pm

Depart from Providence Point at 3:00 pm, arrive at Carleton around 4:30 pm.

Post-field portion:

We will meet every Thursday from September 6 to October 18 from 2:35 to 5:25 pm in Loeb A220. Attendance is mandatory.

GEOG 3000 / ENST 3900 Field Course, Fall 2018

Department of Geography & Environmental Studies

Carleton University

Notes for Students

WELCOME to the GEOG 3000/ENST 3900 Field Course, where you will get hands-on experience in the geographical techniques of field observation, measurement, recording and analysis, and develop research skills. We hope you will enjoy the programme, and this document will elaborate on the details of the field components of the course, and some of the rules and regulations of our base camp.

Base Camp:

Providence Point Retreat Centre, Lanark, On. www.providencepoint.net

The Providence Point Retreat Centre is a facility owned and operated by Rene and Jeannette Bosman. Located 95 kilometres west of Ottawa along highway 511 in Lanark Township, this unique centre encompasses 43 acres of mature forest on the scenic Clyde River shoreline. Facilities consist of a main lodge, day camp centre, campground, cottages and cabins. Other amenities are listed in the *Providence Point: Facilities and regulations* document

The hosts of Providence Point live onsite, so a few regulations are to be adhered to by every staff member, every volunteer and every visitor. It is premised upon respect – for the environment, for oneself and for others. All visits should aim to be ‘no trace’ visits, leaving the site as they find it. All impact on the land should be as minimal as possible. Please use the pathways and trails whenever possible. Please do not pick or remove any natural materials. All litter must be picked up. Please be advised that smoking is not permitted in any of the buildings at the Providence Point Retreat, except in designated areas. When we meet the first evening, the host will discuss the various rules to be observed. Other regulations are listed in the *Providence Point: Facilities and regulations* document.

How to get there (for your information only – we meet at Loeb Building first day):

Go west on the Queensway to the 17/7 split, and exit right to Highway 7. Take Highway 7 for about 15 kilometers to Carleton Place. Continue along Highway 7 for about 12 km until Ferguson Falls Road County Road 15 (at the big stone church), then turn right. Follow Ferguson Falls road until County Road 12, then follow until a stop sign. Go thru then turn right and follow until Lanark. Continue past Lanark for 1 km on Highway 511 until Paul Drive, turn right and follow the signs to Providence Point. See accompanying maps/diagrams for details.

Parking:

Parking is located around the main building. Please refer to the map in *Providence Point: Facilities and regulations*.

Departure from Carleton University (Loeb Building):

Sunday, August 26, 2018 at 8:30 am. (buses should be at the Loeb Building no later than 9:00am). **DON'T BE LATE – ARRIVE AT LOEB BY 8:30 AM**

Return to Carleton University (Loeb Building):

Thursday, August 30, 2018 at approximately 4:30pm.

Luggage/Knapsacks:

Student camp gear will be transported to the Providence Point site on the buses Wednesday morning. On Thursday, the camp gear will be transported back to Carleton University (Loeb Building, Soils lab) for the 4:30 pm return time.

Accommodations for Students:

Students will be staying in either the main building in a choice of 6 rooms, or in any of the 3 cabins on the site. The rooms and cabins have electricity, lights and some have bathrooms. The cabins have bunk beds (eight to nine in each) with mattresses. Showers, washrooms and outhouses are available at various locations on the site.

Meals:

Meals will be served in dining room in the main building. Don't miss the great meals served daily by our hosts: Breakfast is served at 07:30; supper at 18:00. A bagged lunch will be supplied Monday to Thursday. Should you have any food allergies, please inform the course coordinator, who will ask the hosts to prepare a special meal, if possible, or contact the hostess directly, Jeanette Bosman, at 613-259-5016 or 877-292-2201.

Itinerary:

There will be an orientation day, one reconnaissance/preparatory field research setup day, and four field research days in Lanark County. Groups of students will be accompanying an instructor to observe/study field techniques of the instructor's area of expertise, and to undertake field research projects. You leave the base camp typically around 8:30 am, and return around 5:00 pm each research field day.

Social Activities:

There are two fire pits for a pleasant evening campfire, trails for walks in the forest, and if the weather is suitable, an evening of celestial observing and an orienteering event (both tentative). It is suggested to bring board games or cards for leisure times. Curfew will be at 11pm – be courteous and responsible to your fellow campers by observing this curfew.

Allergies:

Please inform the instructors if you are allergic to certain plants or insects. It is assumed that you are responsible to carry appropriate medication for any severe allergies.

In case of difficulty:

Providence Point; Tel: 613-259-5016 or 1-877-292-2201

Department of Geography & Environmental Studies; Tel: 613-520-2560

Derek Mueller cell: 613-282-7955

Field Equipment Checklist

A successful field camp depends upon proper planning and preparation before departing for the field. We recommend the following checklist:

Mandatory:

These are items you have to bring:

- Sleeping bag or other bedding
- Pillow
- Towels and toiletries
- Insect repellent
- Flashlight
- Spare batteries
- Sun block
- Sun hat
- Pens, pencils
- Water bottle
- Rain gear
- Sturdy footwear
- Proper clothing (see below)

Highly Recommended:

We recommend that you bring the following items

- Water-resistant hiking boots
- Day pack

Optional:

Technical equipment can be very useful in the field. You may wish to bring the following items along.

- Laptop
- Smart phone
- Camera
- Clipboard
- Deck of cards for evening
- Board games for evening
- Musical instruments

Clothing:

- Bring clothing suitable for late summer and fall weather. It could be cool and rainy, but typically it has been beautiful late summer weather! Nevertheless, be prepared!
- To stay warm when wet, *avoid cotton clothing* and make sure you have good rain gear.
- There is the possibility of encountering ticks and noxious plants (poison ivy, parsnip and hogweed). To prepare for this, you will want a lightweight long sleeve shirt and pants. You can tuck your pant legs into your socks to prevent ticks from getting in.
- Lastly, you will be dealing with members of the public so while it is important to bring clothes that are good for working outdoors, please bring nice-looking professional clothes

Regulations and Facilities at Providence Point Retreat, Lanark, Ontario

<http://www.providencepoint.net>

Regulations

1. Smoking in designated areas ONLY and proper disposal of butts in either fire pits or designated containers
2. No illicit drugs
3. Swimming, canoeing, kayaking in/on river permitted during daylight hours and only with a partner
4. Operators/owners of the facility live on the premises so curfew is 11pm
5. Drinking permitted as long as 'no trace' observed (all bottle caps disposed of properly; all bottles put in original cartons and/or placed in recycle bins). No glass containers in recreational and swimming areas.
6. If you have food allergies or special dietary requirements, contact Jeannette Bosman, the hostess, at 613-259-5016 or 1-877-292-2201 or e-mail rbosman@superaje.com
7. Stay on designated pathways and do not pick plants
8. Respect the operators and each other

Facilities

1. Wireless internet
2. Canoes, kayaks and paddleboats
3. Two fire pits - Firewood is available at \$5/wheelbarrow full
4. Tuck Shop/Confectionary with ice cream, snacks etc.
5. Fridge with pop at \$1.00 each (honour system)
6. Games room (foosball, air hockey, ping pong)
7. Rooms with electricity, lights, bunks and a few rooms with washrooms. Sleeping bags, pillows and towels are required.
8. Main conference/meeting hall and dining hall
9. Three small 'shacks' with up to eight bunks each
10. Additional showers in main conference hall and outside
11. Downtown Lanark is within walking distance (approximately 1.5 km) with general store, LCBO and Beer store combo, post office, municipal offices, library etc.
12. Breakfast and dinner served at 7:30am and 5:30pm. Bagged lunches are available.

FAQ:

1. Any poison ivy or other poisonous plantlife?
Only poison Parsnip. Its juice will give you a rash.
2. Any snakes, spiders or other venomous animals or other dangerous wildlife (bears etc)?
Nothing venomous but you might see a black bear. Keep your distance from wildlife and make noise as you walk around.
3. Emergency facilities in Lanark? Perth?
North Lanark Community Health Centre here in town and hospital in Perth (15 km away)
4. Insurance or liability issues we should know about?
We have current insurance; your group would have insurance under the school policy
5. Nighttime illumination? (students will be asked to bring flashlights)
Porch lights go out at 1am; Yard light is dusk till dawn
6. Any clothes washing facilities onsite or in town?

- Perth has a laundromat. Emergencies can use machines on site**
7. Refrigerator for student use to keep beverages cool? Ice?
Bring coolers. We sell ice
 8. Are students responsible to keep rooms clean? Are brooms available for sweeping or do housekeeping staff perform routine maintenance?
We will ask students for their bath mats and garbage every other day. Housekeeping takes care of the rest
 9. Public phone available on premises?
There is a phone for public use. Again honour system
 10. Digital map of facility available?
Simple hardcopy map is available now – digital map in the future
 11. Arrival and departure times?
Arrival is anytime after 4pm and departure is anytime before 1pm.
 12. How will the sleeping arrangements work?
Bunk rooms will be assigned by gender. No less than 3 to a room/cabin.



