

CGSC 4909(A): Honours Project**Course Outline****Fall/Winter 2022-23****Course Information****Fall / Winter**

Dates:	Friday
Time:	11:35 am - 2:25 pm
Location:	Richcraft Hall 2311
Course type:	In-person
Course prerequisites:	4th year standing, enrolment in B. Cog. Sc. Honours

Instructor Information

Instructor:	Dr. Nadiya Slobodenjuk
Office:	DT 2207
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Office Hours:	By appointment.

1. Course Description & Objectives

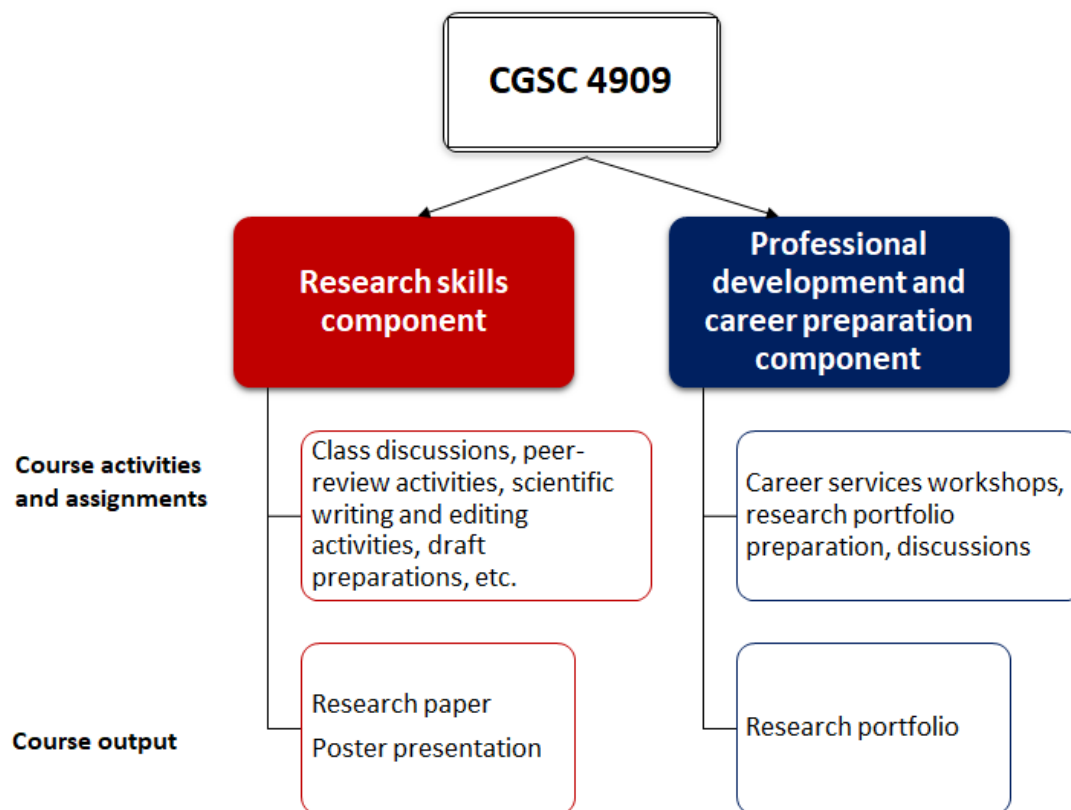
Congratulations on making it to your fourth year at Carleton!

You will soon start a new chapter in your life applying for jobs or pursuing further education. The project course is designed to provide you with research experience and prepare you for graduate school or future career. The course extends over a full academic year. Students in groups of two to six undertake a research project within the scope of the course topic. They engage in a comprehensive investigation of one of the big questions in cognitive science and contribute by completing an original research project. Students undertake projects that represent a range of specific expertise across the various methodologies common in cognitive science.

In the academic year 2022-23, CGSC 4909 group projects will focus on the investigation of how people perceive risks in a variety of different domains and how cognitive science can help with efficient risk communication and promotion of risk-reduction behaviors.

2. Course Structure

We will typically meet in-person for a weekly 3-hour seminar during which you will have the opportunity to participate in discussions and peer-review activities, present readings, practice scientific writing and editing, and engage in other research-related activities and activities that prepare you for the job market. CGSC 4909 has two major components: 1) research skills component and 2) professional development and career preparation component. All activities and assignments are associated with one of the two components. They are designed to help you acquire skills necessary for graduate school or a research-related job.



3. Student Learning Outcomes

By the end of the course you will:

1. gain factual knowledge about risk perception
2. develop a subject matter expertise

You will also be able to:

3. analyze from the methodological standpoint and critically evaluate empirical research
4. recognize, explain, and juxtapose scientific arguments within the context of research on risk perception
5. construct and present evidence-based arguments
6. conduct constructive peer-review and respond to peer criticism of your work
7. use different methodologies in cognitive science
8. conduct and interpret statistical analyses

Additionally, you will:

9. improve scientific writing skills and skills of oral presentation and debate
10. acquire skills of project planning, management, and long-term collaboration

4. Readings & Resources

There is no textbook for this course. Readings will be assigned on a weekly basis and will be available on course **Brightspace page**. Course Brightspace page also contains the course outline and schedule, course feedback tools, marking rubrics, and a variety of learning exercises and useful links. It is going to be a dynamic space with many opportunities for you to make a meaningful contribution to the course and connect with your peers. You will also receive an invitation to our **course Discord channel** which will be used for fast communication during the online office hours.

5. Course Assessment & Assignments

Activities and assignments will be graded the following way.

Item	Weight
Fall	
Participation and attendance	10
Presentations of reading assignments (individual assignment)	3 x 4 = 12
Open-book methodology quiz (individual assignment)	12
Draft 1 of the Introduction section of the final paper	0*
Draft 2 of the Introduction section of the final paper	0*
Draft 1 of the Method section of the final paper	0*
Draft 2 of the Method section of the final paper	0*
Draft of the REB application	0*
Winter	
Participation and attendance	8
Full statistical analysis (individual assignment)	12
Draft 1 of Results section of the final paper	0*
Draft 1 of Discussion section of the final paper	0*
Research portfolio (individual assignment)	6
Final paper	34
Poster presentation	6
Course total:	100

* Drafts are not graded, but mandatory. You will receive feedback on your drafts. Writing drafts will help you prepare the final version of your paper. If the draft is late, a 20% penalty will be applied to the associated assignment.

** Points are given for submitting the Portfolio and integrating feedback.

6. Tentative schedule

Note that the schedule is tentative and is likely to be adjusted based on the needs of the class.

FALL TERM		
Classes	Class Topics and Activities	Weekly Assignments
September 9	<ul style="list-style-type: none"> Introduction to the course Introduction to the course topic Career preparation (invited speaker)* 	Read the assigned article and be prepared for class presentation and discussion facilitation next week.
September 16	<ul style="list-style-type: none"> How to read sources critically Discussion of the assigned readings 	Read the assigned article and be prepared for class presentation and discussion facilitation next week.
September 23	<ul style="list-style-type: none"> Types of research Discussion of the assigned readings Graduate student discussion panel* 	Read the assigned article and be prepared for class presentation and discussion facilitation next week.
September 30	<ul style="list-style-type: none"> Discussion of the assigned readings Recognizing a research problem Generating research ideas Validating research ideas Working in groups on the draft of the project proposal 	Generating research ideas assignment. More information on Brightspace

October 7	<ul style="list-style-type: none"> Planning a research project Scientific integrity Review of study design considerations 	Work with groupmates on research proposal. More information on Brightspace
October 14	<ul style="list-style-type: none"> Presentations of the project proposals and peer-led discussion How to write a conceptually coherent paper Writing an APA-style research paper Writing an introduction to an APA-style paper 	Finalize the structure of the Introduction section of the paper. Find and read relevant literature. Be ready to discuss the structure of the Introduction section of your paper during our next class.
October 21	<ul style="list-style-type: none"> Peer-led discussion of the structure of the Introduction section of the research paper Career preparation (invited speaker)* 	Submit Draft 1 of the Introduction section of the paper Deadline: Friday, November 4
October 28	Fall break. No classes.	
November 4	<ul style="list-style-type: none"> Writing a Method section of the research paper 	Submit Draft 1 of the Method section of the paper Deadline: Tuesday, November 8
November 11	<ul style="list-style-type: none"> Presentations of the final study design and discussion Planning statistical analyses 	Submit Draft 2 of the Method section of the paper Deadline: Tuesday, November 15
November 18	<ul style="list-style-type: none"> Working with human participants: <ul style="list-style-type: none"> Ethical considerations Logistics of data collection 	Complete TCPS training and obtain a certificate.
November 25	<ul style="list-style-type: none"> Writing an ethics application workshop Elements of open science 	Submit a draft of your REB application Deadline: Tuesday, November 22
December 2	<ul style="list-style-type: none"> Finalizing and submitting REB applications 	
Winter term		
January 13	<ul style="list-style-type: none"> Career services workshop: Hidden job markets, networking Finalizing the Introduction section of the paper Preparation for data collection 	
January 20	<ul style="list-style-type: none"> Data collection 	
January 27	<ul style="list-style-type: none"> Data collection 	Submit Draft 2 of the Introduction section of the paper Deadline: Monday, January 30
February 3	<ul style="list-style-type: none"> Data collection 	
February 10	<ul style="list-style-type: none"> Data collection 	
February 17	<ul style="list-style-type: none"> Processing data Descriptive and inferential statistics 	Submit full statistical analysis Deadline: Tuesday, February 21

	<ul style="list-style-type: none"> Review of selected statistical analyses 	
February 24	Winter break. No classes	
March 3	<ul style="list-style-type: none"> Review of the APA-style requirements for the Results section of the research paper Working on the Results section of the paper Interpreting results 	Submit Draft 1 of the Results section of the paper Deadline: Tuesday, March 7
March 10	<ul style="list-style-type: none"> Writing an APA-style Discussion section of the research paper 	Submit Draft 1 of the Discussion section of the paper Deadline: Tuesday, March 21
March 17	<ul style="list-style-type: none"> Peer-led discussion of the Discussion section of the research paper Career services workshop: CVs, Cover letters 	
March 24	<ul style="list-style-type: none"> Communicating results Preparing a research portfolio (cuPortfolio) 	Submit the final version of your research paper Deadline: Thursday, April 6
March 31	<ul style="list-style-type: none"> Preparing a poster presentation Research portfolio discussion 	Prepare a poster presentation for next week
April 7	Good Friday. No classes.	
April 12	<ul style="list-style-type: none"> Poster presentations 	Congratulations! You've completed an amazing research project! No more assignments :)

7. Technical Requirements:

Hardware: a laptop. You will need to bring your laptop to class.

Software: IBM SPSS Statistics. You will need to install SPSS Statistics on your laptop. Carleton University has a license for this software. Please follow the instructions on how to install and activate SPSS here: <https://carleton.ca/its/all-services/computers/site-licensed-software/spss/>

8. Class Policies:

- Attendance**

Regular class attendance is required.

- Extra credit**

There is no extra credit in this course. Your final grade is a result of your performance on course assignments.

- Communication**

I will be available for any questions, feedback, and help with the course material over the email throughout the week.

Office hours will be held on course Discord channel and by appointment over Zoom.

E-mail is the primary means of communication outside our class time. I usually reply promptly and will certainly reply within 24 hours. I might not be able to reply during the weekend.

Note that I will respond only to e-mails sent from your official Carleton University e-mail account containing your full name.

If you do not have or have yet to activate your Carleton account, you may wish to do so by visiting <http://carleton.ca/ccs/students/>

Outside the classroom, e-mail is the main means of communication in this course. You will receive regular updates and reminders on your e-mail. It is your responsibility to check your e-mail daily.

- ***Missed classes***

If you miss a class, please consult your classmates and ask for their notes.

- ***Marking***

Students have the right to see their marked work.

- ***Carleton grading system***

Letter grades assigned in this course will have the following percentage equivalents:

A+ = 90-100 B = 73-76 C - = 60-62

A = 85-89 B - = 70-72 D+ = 57-59

A - = 80-84 C+ = 67-69 D = 53-56

B+ = 77-79 C = 63-66 D - = 50-52

F Failure. No academic credit

ABS Absent from the final examination

DEF Official deferral (see "Petitions to Defer")

FND "Failed, no Deferral" – assigned when the student is absent from the final exam and has failed the course on the basis of inadequate term work as specified in the course outline.

Standing in a course is determined by the course instructor, subject to the approval of the Chair and Faculty Dean.

All final grades are subject to the Dean's approval.

- ***Makeup policy***

If health-related or unforeseeable personal circumstances prevent you from attending the test, you are expected to inform me before the test. Any supporting documents must be presented in a timely manner as well. You will be given a chance to retake the missed exams at a time agreed upon with the instructor.

If you receive zero for cheating or plagiarism on one of the assignments or an exam, you will NOT be given a second chance to fix your grade.

- ***Learning support services***

Centre for Student Academic Support and Student Academic & Career Development Services offer a variety of services designed to support student learning. For example, they offer group study rooms, free drop-in sessions with study skills specialists and writing tutors, free academic skills workshops, networked computers, a tutor referral service, and supportive peer helpers. Visit their websites for more information:

<https://carleton.ca/csas/>

<https://carleton.ca/sacds/>

- ***Petitions to defer***

Students unable to complete a final term paper or write a final examination because of illness or other circumstances beyond their control or whose performance on an examination has been impaired by such circumstances may apply within five working days to the Registrar's Office for permission to extend a term paper deadline or to write a deferred

examination. The request must be fully and specifically supported by a medical certificate or other relevant documentation. Only deferral petitions submitted to the Registrar's Office will be considered.

- **Copyright policy**

Student or professor materials created for this course (including presentations and posted notes, labs, case studies, assignments and exams) remain the intellectual property of the author(s). They are intended for personal use and may not be reproduced or redistributed without prior written consent of the author(s). **The PowerPoint presentations, lecture videos, lectures notes, and other materials available to you on Brightspace and Carleton's Media Space may not be distributed online.**

- **Academic advising**

Visit the Cognitive Science Undergraduate Office, DT 2201 to discuss your program. Advisors can answer questions concerning:

- Course selection and meeting program requirements
- Your audit and transfer credits
- Gaining access to courses that are closed
- Information concerning prerequisites and preclusions
- Course equivalencies and substitutions
- Information about whether to pursue the (Honours Project Course) or the Thesis stream and CGPA requirements
- Community Practicum Course
- Concentrations
- Exchanges and course selection

Please contact undergraduate and graduate advisers by e-mail to schedule an appointment.

Undergraduate advisers:

- Mark MacLeod: mark.macleod@carleton.ca
- Melissa Lett: melissa.lett@carleton.ca

Graduate adviser:

- Kasia Muldner: kasia.muldner@carleton.ca

- **Plagiarism**

The University Academic Integrity Policy defines plagiarism as “*presenting, whether intentionally or not, the ideas, expression of ideas or work of others as one’s own.*” This 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, artworks, laboratory reports, research results, calculations and the results of calculations, diagrams, constructions, computer reports, computer code/software, material on the internet and/or conversations.

Examples of plagiarism include, but are not limited to:

- any submission prepared in whole or in part, by someone else;
- using ideas or direct, verbatim quotations, paraphrased material, algorithms, formulae, scientific or mathematical concepts, or ideas without appropriate acknowledgment in any academic assignment;
- using another’s data or research findings without appropriate acknowledgement;
- submitting a computer program developed in whole or in part by someone else, with or without modifications, as one’s own; and

- failing to acknowledge sources through the use of proper citations when using another's work and/or failing to use quotations marks.

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.

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- **Statement on Student Mental Health**

As a University student you may experience a range of mental health challenges that significantly impact your academic success and overall well-being. If you need help, please speak to someone. There are numerous resources available both on- and off-campus to support you. Here is a list that may be helpful:

- **Emergency Resources (on and off campus):** <https://carleton.ca/health/emergencies-and-crisis/emergency-numbers/>

Carleton Resources:

- Mental Health and Wellbeing: <https://carleton.ca/wellness/>
- Health & Counselling Services: <https://carleton.ca/health/>
- Paul Menton Centre: <https://carleton.ca/pmc/>
- Academic Advising Centre (AAC): <https://carleton.ca/academicadvising/>
- Centre for Student Academic Support (CSAS): <https://carleton.ca/csas/>
- Equity & Inclusivity Communities: <https://carleton.ca/equity/>

Off Campus Resources:

- Distress Centre of Ottawa and Region: (613) 238-3311 or TEXT: 343-306-5550, <https://www.dcottawa.on.ca/>
- Mental Health Crisis Service: (613) 722-6914, 1-866-996-0991, <http://www.crisisline.ca/>
- Empower Me: 1-844-741-6389, <https://students.carleton.ca/services/empower-me-counselling-services/>
- Good2Talk: 1-866-925-5454, <https://good2talk.ca/>
- The Walk-In Counselling Clinic: <https://walkincounselling.com>

- **Statement on Pandemic Measures**

It is important to remember that COVID is still present in Ottawa. The situation can change at any time and the risks of new variants and outbreaks are very real. There are [a number of actions you can take](#) to lower your risk and the risk you pose to those around you including being vaccinated, wearing a mask, staying home when you're sick, washing your hands and maintaining proper respiratory and cough etiquette.

Feeling sick? Remaining vigilant and not attending work or school when sick or with symptoms is critically important. If you feel ill or exhibit COVID-19 symptoms do not come to class or campus. If you feel ill or exhibit symptoms while on campus or in class, please leave campus immediately. In all situations, you should follow Carleton's [symptom reporting protocols](#).

Masks: Masks are no longer mandatory in university buildings and facilities. However, we continue to recommend masking when indoors, particularly if physical distancing cannot be maintained. We are aware that personal preferences regarding optional mask use will vary greatly, and we ask that we all show consideration and care for each other during this transition.

Vaccines: While proof of vaccination is no longer required to access campus or participate in in-person Carleton activities, it may become necessary for the University to bring back proof of vaccination requirements on short notice if

the situation and public health advice changes. Students are strongly encouraged to get a full course of vaccination, including booster doses as soon as they are eligible and submit their booster dose information in [cuScreen](#) as soon as possible. Please note that Carleton cannot guarantee that it will be able to offer virtual or hybrid learning options for those who are unable to attend the campus.

All members of the Carleton community are required to follow requirements and guidelines regarding health and safety which may change from time to time. For the most recent information about Carleton's COVID-19 response and health and safety requirements please see the [University's COVID-19 website](#) and review the [Frequently Asked Questions \(FAQs\)](#). Should you have additional questions after reviewing, please contact covidinfo@carleton.ca.

- **Requests for Academic Accommodations**

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 accommodation regarding a formally-scheduled final exam, you must complete the Pregnancy Accommodation Form ([click here](#)).

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 [click here](#).

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).

Survivors of Sexual Violence

As a community, Carleton University is committed to maintaining a positive learning, working and living environment where sexual violence will not be tolerated, and where survivors are supported through academic accommodations as per Carleton's Sexual Violence Policy. For more information about the services available at the university and to obtain information about sexual violence and/or support, visit: <https://carleton.ca/equity/sexual-assault-support-services>

Accommodation for Student Activities

Carleton University recognizes the substantial benefits, both to the individual student and for the university, that result from a student participating in activities beyond the classroom experience. Reasonable accommodation will be provided to students who compete or perform at the national or international level. 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. <https://carleton.ca/senate/wp-content/uploads/Accommodation-for-Student-Activities-1.pdf>

- **Important Information**

- Students must always retain a hard copy of all work that is submitted.
- All final grades are subject to the Dean's approval.
- The last day for academic withdrawal for winter and fall/winter courses is March 15th, 2023.
- For us to respond to your emails, we need to see your full name, CU ID, and the email must be written from your valid CARLETON address. Therefore, in order to respond to your inquiries, please send all email from your Carleton CMail account. If you do not have or have yet to activate this account, you may wish to do so by visiting <http://carleton.ca/ccs/students/>

For a list of dates and deadlines, including holidays and exam dates, please visit:
<https://calendar.carleton.ca/academicyear/>