

# PSY319H5S – Developmental Psychology Laboratory

## IN-PERSON

Wednesday 12:00pm – 3:00pm

ROOM: MN 1100

### Course Delivery

**Winter 2022 Return to Campus Update:** In order to curb the spread of COVID-19 amid the emergence of the Omicron variant, most in-person learning has been **delayed until Jan 31, 2022.** Keep in mind this date is subject to change as per the Universities need to monitor any new developments and will be keeping with the latest evidence and public health guidelines.

### Delivery Method until January 31, 2022

**ONLINE VIA Zoom:** Please see the Quercus website for the course to find out how to attend the Zoom lectures which will be offered on the days and times specified above. We will try to make these lectures as interactive as possible. For instance, you can ask questions during a lecture using the question function and by posting questions in the chat. We will also use breakout rooms to complete group assignments.

- **Learn Anywhere Guide for Students**  
<https://library.utm.utoronto.ca/students/quercus/learn-anywhere>
- **University of Toronto tech requirements for online learning**

### Delivery Method after January 31, 2022

Pending confirmation that classes are allowed to return to in-person instruction on February 1<sup>st</sup>, classes will be held in person.

### Contact Information

**Dr. Samuel Ronfard**  
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**Location:** CCT 4059

**Teaching Assistant:**  
**Diana Peragine**  
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**Office hours:** Fridays from noon to 1 pm on Zoom.  
Zoom link and passcode can be found on Quercus.

## Course Description

This course is designed to (1) familiarize students with research methods used to study psychological issues from a developmental perspective, and (2) provide hands-on experience in collecting and analyzing data and reporting the results. Students will participate in group research project and an individual research project. Students will also be required to master an elementary level of data analysis using statistical software (R)

## Learning Outcomes

- Describe psychological research techniques and their assumptions.
- Demonstrate awareness of the complexity of knowledge construction and the limits of available methods in scientific inquiry.
- Analyze and interpret data using quantitative and/or qualitative techniques.
- Access and interpret scientific literature.
- Communicate clearly and concisely.
- Use hypothesis-driven methods of scientific inquiry to answer psychological questions.
- Develop insights into the behaviour and mental processes of one's self and of others.
- Critically evaluate psychological research.
- Explore interests in psychology through independent inquiry and research.
- Demonstrate an understanding of the ethical concerns of the discipline.
- Foster a strategy of lifelong inquiry for engaged citizenship.

## Reading Material

- There are no required textbooks for this course.
- Selected research articles and chapters will be posted on Quercus.

## Course Evaluation

Assignments	%
R-Assignment #1 (Data Cleaning)	5
R-Assignment #2 (Reliability)	5
Group Research Assignment	30
Individual Research Paper	50
Article Presentation (QUALMRI)	10

**NOTE:** Class attendance is mandatory. Classroom time is devoted to discussion of developmental research (design, methods, issues), assigned readings, class research projects, and data analysis. Students are expected to participate actively in these discussions. Assigned readings must be read before class. Students will need to have additional time for data collection (e.g., coding), library research, data analysis, and other course-related activities.

**R-Assignments:** These relatively short-assignment are designed to help you practice skills you will need to complete your group project: creating an annotated syntax file to facilitate collaboration and to make your analyses reproducible, checking your data for data entry errors (data cleaning) and evaluating the reliability of your coding relative to another coder and of surveys you have asked participants to complete.

**Group Research Assignment:** You will work in groups of four people to answer a research question based on four available datasets. You will turn in two assignments. First, you will identify a research question, hypotheses, and determine an analytic strategy (10 points). Second, you will code data, assess reliability, conduct analyses, and write up these analyses. In addition to turning in a paper, you will also turn in the raw data you collected and the annotated R syntax file reproducing your analyses (20 points).

**Individual Research Paper:** You will propose a novel experiment. Your proposal will include a brief review of the literature, your research questions, your hypotheses, the design of your experiment, and how you plan to analyze the data collected by your experiment. You will complete this assignment in stages. First, you will turn in a list of three topics, general research questions, and annotated bibliography (3 points). Then, you will pick on topic and research question and write an introduction (5 points). We will conduct a writer's workshop where you will provide and receive feedback on that introduction. Using that feedback, you will turn in a revised introduction (5 points). You will then turn in a draft of your methods and analyzes section (12 points). Finally, you will turn in a final draft of your proposal (15 points) and present your experiment to the class (10 points).

**QUALMRI:** You will be asked to present one article from your literature review to the class using the QUALMRI method (to be reviewed in class).

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## Course Webpage

The website associated with this course is accessible via <http://q.utoronto.ca>

**Note:** You don't need to create a new login for Quercus; it already knows who you are. You just need your UTORid and password. This is the same login that gets you onto the wireless network with your laptop, and the same one that you use to check your email. If you're confused about your UTORid or don't remember your password, go to: <https://www.utorid.utoronto.ca/>

In order to access course material, monitor course information, and view your grades you must log into Quercus. If you have any general questions regarding Quercus, please visit the following help site: <https://q.utoronto.ca/courses/46670/pages/student-guide>

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## IMPORTANT COURSE POLICIES \*\*PLEASE READ\*\*

### **Extension of Time Special Consideration Request Process**

Students who seek to be granted more time to complete their term work beyond the due date without penalty, owing to circumstances beyond their control (e.g., illness, or an accident), must do so by submitting a request **directly to the Instructor** for the period up to and including the last day of the term. The decision as to whether or not to apply a penalty for the specified period rests with the Instructor.

Students who seek to be granted more time to complete term work beyond the last day of the term must submit their request directly to the Department. This request covers the period following the last day of classes and ends the last day of the exam period. This is done by submitting a request via the online Special Consideration Request form at <https://utmapp.utm.utoronto.ca/SpecialRequest>. You are advised to seek advising by the departmental Undergraduate Counsellor prior to the deadline.

### **Supporting Documentation**

The University is temporarily suspending the need for a doctor's note or medical certificate for any absence from academic participation. However, you are required to use the Absence Declaration tool on ACORN found in the Profile and Settings menu to formally declare an absence from academic participation. The tool is to be used if you require consideration for missed academic work based on the procedures specific to our campus/department.

### **Missed Final Exam or Extension of Time beyond exam period**

Missed final exams or for extensions of time beyond the examination period you must submit a petition through the Office of the Registrar. <http://www.utm.utoronto.ca/registrar/current-students/petitions> and follow their procedures.

### **Penalties for Lateness**

A penalty of 10% per calendar day (i.e., including week-ends and holidays, during which students are not able to submit term work) up to and including the last day of classes, will be applied by the Instructor. After the last day of classes, the penalty of 10% per calendar day will be applied by the Undergraduate Counsellor on behalf of the Department. No penalty will be assigned if request for special consideration, described above, was successful.

### **Academic Guidelines**

It is your responsibility to ensure that you have met all prerequisites listed in the UTM Calendar for this course. If you lack any prerequisites you WILL BE REMOVED from the course up until the last day to add a course. Further information about academic regulations, course withdrawal dates and credits can be found in the University of Toronto Mississauga Calendar at: <http://www.erin.utoronto.ca/regcal/>.

You are encouraged to read this material. If you run into trouble and need advice about studying, preparing for exams, note taking or time management, free workshops and advice are available from the Robert Gillespie Academic Skills Centre at 905-828-5406.

### **AccessAbility Services**

The University provides academic accommodations for students with disabilities in accordance with the terms of the Ontario Human Rights Code. This occurs through a collaborative process that acknowledges a collective obligation to develop an accessible learning environment that both meets the needs of students and preserves the essential academic requirements of the University's courses and programs. Students requiring academic accommodations for learning, physical, sensory, or mental health disabilities or medical conditions should contact the AccessAbility Office (2037B Davis Building), 905-828-3847.

<http://www.utm.utoronto.ca/accessability/>

### **Privacy and Copyright Disclaimer**

This course, including your participation, will be recorded on video and will be available to students in the course for viewing remotely and after each session. Course videos and materials belong to your instructor, the University, and/or other sources depending on the specific facts of each situation, and are protected by copyright. Do not download, copy, or share any course or student materials or videos without the explicit permission of the instructor. For questions about recording and use of videos in which you appear please contact your instructor.

Lectures and course materials prepared by the instructor are considered by the University to be an instructor's intellectual property covered by the Copyright Act, RSC 1985, c C-42. Course materials such as PowerPoint slides and lecture recordings are made available to you for your own study purposes. These materials cannot be shared outside of the class or "published" in any way. Posting recordings or slides to other websites without the express permission of the instructor will constitute copyright infringement.

### **Academic Honesty and Plagiarism**

Academic integrity is essential to the pursuit of learning and scholarship in a university, and to ensuring that a degree from the University of Toronto Mississauga is a strong signal of each student's individual academic achievement. As a result, UTM treats cases of cheating and plagiarism very seriously.

The University of Toronto's Code of Behaviour on Academic Matters outlines behaviours that constitute academic dishonesty and the process for addressing academic offences. Potential offences include, but are not limited to:

#### In papers and assignments:

1. Using someone else's ideas or words without appropriate acknowledgement.
2. Submitting your own work in more than one course without the permission of the instructor.
3. Making up sources or facts.
4. Obtaining or providing unauthorized assistance on any assignment.

#### On tests and exams:

1. Using or possessing unauthorized aids.
2. Looking at someone else's answers during an exam or test.
3. Misrepresenting your identity.

#### In academic work:

1. Falsifying institutional documents or grades.
2. Falsifying or altering any documentation required, including (but not limited to) doctor's notes.

With regard to remote learning and online courses, UTM wishes to remind students that they are expected to adhere to **the Code of Behaviour on Academic Matters** regardless of the course delivery method. By offering students the opportunity to learn remotely, UTM expects that students will maintain the same academic honesty and integrity that they would in a classroom setting. Potential academic offences in a digital context include, but are not limited to:

#### Remote assessments:

1. Accessing unauthorized resources (search engines, chat rooms, Reddit, etc.) for assessments.
2. Using technological aids (e.g. software) beyond what is listed as permitted in an assessment.
3. Posting test, essay, or exam questions to message boards or social media.
4. Creating, accessing, and sharing assessment questions and answers in virtual "course groups."
5. Working collaboratively, in-person or online, with others on assessments that are expected to be completed individually.

All suspected cases of academic dishonesty will be investigated following procedures outlined in the Code of Behaviour on Academic Matters. If you have questions or concerns about what constitutes appropriate academic behaviour or appropriate research and citation methods, you are expected to seek out additional information on academic integrity from your instructor or from other institutional resources.

### **Academic Rights**

You, as a student at UTM, have the right to:

- Receive a syllabus by the first day of class.
- Rely upon a syllabus once a course is started. An instructor may only change marks' assignments by following the University Assessment and Grading Practices Policy provision 1.3.
- Refuse to use turnitin.com (you must be offered an alternative form of submission).
- Have access to your instructor for consultation during a course or follow up with the department chair if the instructor is unavailable.
- Ask the person who marked your term work for a re-evaluation if you feel it was not fairly graded. You have up to one month from the date of return of the item to inquire about the mark. If you are not satisfied with a re-evaluation, you may appeal to the instructor in charge of the course if the instructor did not mark the work. If your work is remarked, you must accept the resulting mark. You may only appeal a mark beyond the instructor if the term work was worth at least 20% of the course mark.
- Receive at least one significant mark (15% for H courses, 25% for Y courses) before the last day you can drop a course for H courses, and the last day of classes in the first week of January for Y courses taught in the Fall/Winter terms.
- Submit handwritten essays so long as they are neatly written.
- Have no assignment worth 100% of your final grade.
- Not have a term test worth more than 25% in the last two weeks of class.
- Retain intellectual property rights to your research.
- Receive all your assignments once graded.
- View your final exams. To see a final exam, you must submit an online Exam Reproduction Request within 6 months of the exam. There is a small non-refundable fee.
- Privacy of your final grades.
- Arrange for representation from Downtown Legal Services (DLS), a representative from the UTM Students' Union (UTMSU), and/or other forms of support if you are charged with an academic offence.

### **Equity Statement**

The University of Toronto is committed to equity and respect for diversity. All members of the learning environment in this course should strive to create an atmosphere of mutual respect. As a course instructor, I will neither condone nor tolerate behaviour that undermines the dignity or self-esteem of any individual in this course and wish to be alerted to any attempt to create an intimidating or hostile environment. It is our collective responsibility to create a space that is inclusive and welcomes discussion. Discrimination, harassment and hate speech will not be tolerated. If you have any questions, comments, or concerns you may contact the UTM Equity and Diversity officer at [edo.utm@utoronto.ca](mailto:edo.utm@utoronto.ca) or the University of Toronto Mississauga Students' Union Vice President Equity at [vpequity@utmsu.ca](mailto:vpequity@utmsu.ca).

***Please note that this outline is subject to change depending on the needs of the class (we may need additional time to cover a topic). Any changes to the syllabus will be announced in class one week before.***

**Course Outline (check Quercus for submission instructions for all assignments)**

Date	Topic	Delivery	Readings	Assignment Due
1/12/20	Introduction	ONLINE VIA Zoom	<i>Refer to Quercus</i>	
1/19/20	The Ethics of Research (Informed Consent with Children)	ONLINE VIA Zoom	<i>Refer to Quercus</i>	<b>Individual Research Paper</b> – List of Topics and RQs
1/26/20	Basic Experimental Designs & How to Analyze Them	ONLINE VIA Zoom	<i>Refer to Quercus</i>	<b>R Data Assignment #1</b>
2/2/20	Article Presentations QUALMRI	In Person (if allowed)	<i>Refer to Quercus</i>	<b>QUALMRI - Presentation</b> <b>Group Project</b> – RQs, Hypotheses, Analytic Plan
2/9/20	What happens when you submit a manuscript for publication? + In class writing workshop	In Person (if allowed)	<i>Refer to Quercus</i>	<b>Individual Research Paper</b> – Introduction Due
2/16/20	In class experiment design workshop	In Person (if allowed)	<i>Refer to Quercus</i>	<b>Individual Research Paper</b> – <i>Revised</i> Introduction Due
2/23/20	READING WEEK			
3/2/20	Common academic experience no one talks about	In Person (if allowed)	<i>Refer to Quercus</i>	
3/9/20	Basic Psychometrics	In Person (if allowed)	<i>Refer to Quercus</i>	<b>Individual Research Paper</b> – Methods and Analysis Draft due
3/16/20	Putting together a good presentation	In Person (if allowed)	<i>Refer to Quercus</i>	<b>R Data Assignment #2</b>
3/23/20	Presentation workshop	In Person (if allowed)	<i>Refer to Quercus</i>	
3/30/20	<b>Individual Research Paper Presentations</b>	In Person (if allowed)	<i>Refer to Quercus</i>	<b>Individual Research Paper</b> – Manuscript + Presentations
4/6/20	<b>Individual Research Paper Presentations</b>	In Person (if allowed)	<i>Refer to Quercus</i>	<b>Group Research Paper</b> (Manuscript, Raw Data, and R-script)