PSY319H5S – Developmental Psychology Laboratory

Tuesday 12:00pm – 3:00pm
Room Location: CC 1160 (CCIT Building)

Contact Information

Dr. Samuel Ronfard
samuel.ronfard@utoronto.ca
Office Hours:
Location: CCT 4059

Teaching Assistant:
Lindsey Thurston
lindsey.thurston@utoronto.ca

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)

Reading Material

There are no required textbooks for this course.

Selected research articles and chapters will be posted on Quercus.

Course Evaluation

Exams & Assignments	Date	%
R-Assignment #1 (Data Cleaning)	1/21/20	5
R-Assignment #2 (Reliability)	3/10/20	5
Group Research Assignment	1/28/20 3/31/20	30
Individual Research Paper	1/14/20 2/4/20 2/11/20 3/3/20 3/24/20	40
Quizzes	1/21/20 1/28/20	10
Article Presentation (QUALMRI)	1/28/20	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*).

Quizzes: Two in-class quizzes will be given to assess your understanding of research ethics and experiment design.

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).

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 Canvas; 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/

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.**

Original supporting documentation (e.g., medical certificates, verification of extenuating circumstances form, etc.) must be submitted to the Psychology Academic Counselor or dropped off in the drop box located outside the Psychology office Deerfield Hall, 4th Floor. Students are expected to submit requests to the Department before the last day of the term, unless demonstrably serious reasons prevent them from doing so. In the event of an illness, medical certificates or doctor's notes must confirm that student was ill on the due date of the assignment (for a one-day extension). For a longer extension, documentation must specify the full duration during which academic work could not be carried out.

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

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

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/

Academic Honesty and Plagiarism

Honesty and fairness are considered fundamental to the university's mission, and, as a result, all those who violate those principles are dealt with as if they were damaging the integrity of the university itself. When students are suspected of cheating or a similar academic offence, they are typically surprised at how formally

and seriously the matter is dealt with -- and how severe the consequences can be if it is determined that cheating did occur. The University of Toronto treats cases of cheating and plagiarism very seriously. Please take the time to review the Academic Integrity website: http://www.utm.utoronto.ca/academic-integrity/students.

- Common trends in academic offences:
- Plagiarizing/concocted references
- Collaboration/unauthorized assistance
- Purchasing work
- Recycling work - "double-dipping"
- Resubmitting of altered work for re-grading
- Electronic devices (cell phones) or any unauthorized aids
- Altering medical certificates and UofT documents

From the Code of Behaviour on Academic Matters: "It shall be an offence for a student to knowingly: represent as one's own any idea or expression of an idea or work of another in any academic examination or term test or in connection with any other form of academic work, i.e. to commit plagiarism. Wherever in the Code an offence is described as depending on "knowing", the offence shall likewise be deemed to have been committed if the person ought reasonably to have known." All students must refer to this website to obtain information on what constitutes plagiarism. http://www.writing.utoronto.ca/advice/using-sources/how-not-to-plagiarize. If questions arise after reading the material on the website, consult your instructor. **Plagiarism will not be tolerated**.

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 or the University of Toronto Mississauga Students' Union Vice President Equity at vpequity@utmsu.ca.

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 25% or more 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.

Course Outline

Date	Topic	Readings	Assignment Due
1/7/20	Intro – Group Project Brainstorm	*Refer to Quercus*	
1/14/20	The Ethics of Research (Informed Consent with Children)	*Refer to Quercus*	**Individual Research Paper** – List of Topics and RQs
1/21/20	**Quiz #1** Basic Experimental Designs & How to Analyze Them	*Refer to Quercus*	**R Data Assignment #1**
1/28/20	**Quiz #1** Article Presentations QUALMRI	*Refer to Quercus*	**QUALMRI #1** **Group Project** – RQs, Hypotheses, Analytic Plan
2/4/20	What happened when you submit a manuscript for publication? + In class writing workshop	*Refer to Quercus*	**Individual Research Paper** – Introduction Due
2/11/20	In class experiment design workshop	*Refer to Quercus*	**Individual Research Paper** – *Revised* Introduction Due
2/18/20	READING WEEK		
2/25/20	Developing a Codebook + Reproducibility + Teamwork	*Refer to Quercus*	
3/3/20	Basic Psychometrics	*Refer to Quercus*	**Individual Research Paper** – Methods and Analysis Draft due
3/10/20	Putting together a good presentation	*Refer to Quercus*	**R Data Assignment #2**
3/17/20	Presentation workshop	*Refer to Quercus*	
3/24/20	Individual Research Paper Presentations	*Refer to Quercus*	**Individual Research Paper** – Manuscript + Presentations
3/31/20	Individual Research Paper Presentations	*Refer to Quercus*	**Group Research Paper** (Manuscript, Raw Data, and R-script)