

Faculty of Health
Department of Psychology
PSYC 3010 3.0 N: INTERMEDIATE RESEARCH METHODS
Monday/5:30pm – 8:30pm/ VH 3003
Winter/2024

This course will be imparted in-person at the Keele Campus of York University (VH 3003). A good part of the course will consist in group work, along with lecture-like overviews over the relevant parts of the scientific process. Slides and materials for the latter are made available online (on eClass) but attendance is very important given the nature of this class.

Instructor Information

Instructor: John Jong-Jin Kim

Office Hours: By Appointment (in person at SHR 1018 or via Zoom)

Email: johnk84@yorku.ca

Course Prerequisite(s): Course prerequisites are strictly enforced

- HH/PSYC 1010 6.00 (Introduction to Psychology)
- HH/PSYC 2020 6.00 (Statistical Methods I and II) or HH/PSYC 2021 3.00 (Statistical Methods I)
- HH/PSYC 2030 3.00 (Introduction to Research Methods)
- Completed at least 54 earned credits

Course Credit Exclusions

Please refer to [York Courses Website](#) for a listing of any course credit exclusions.

Course website: [eClass](#)

All course materials will be available on the course eClass site, unless otherwise indicated by the instructor. The site will be your central access point for course materials such as the lecture slides.

Course Description

An intermediate course to provide further experience with the design, execution, analysis, interpretation and communication of psychological studies. Building on the foundation established in HH/ PSYC 2030 3.00, the course further prepares students for many types of advanced-research and Honours thesis projects.

Program Learning Outcomes

Upon completion of this course, students should be able to:

1. Explain and critique psychological methodologies across sub-disciplines.
2. Analyse and interpret results from simple psychological studies.

3. Generate testable hypotheses in psychology.
4. Express in written form psychological findings using APA style.
5. Demonstrate knowledge that conclusions are limited by methods.

Required Text

No required text.

Course Requirements and Assessment:

Assessment	Date of Evaluation (if known)	Weighting
Research Interest Post (Individual)	January 14	1%
TCSP Ethics Tutorial (Individual)	January 22	2%
Literature Review (Individual)	January 29	2%
Ethics Form (Group)	February 5	5%
Proposal Presentation (Group)	February 5, 12	20%
Pre-Registration Document (Group)	March 4	15%
Poster Presentation (Group)	March 25	15%
Final Report (Individual)	April 25	30%
Participation	Ongoing	10%
Total		100%

Description of Assignments

Assignment descriptions will be posted on eClass at least 2 weeks prior to the due date.

Class Format and Attendance Policy

Attendance will not be taken formally. However, some of the group work will be conducted during class hours, and repeated absences may impact how your group evaluates your contribution to the project. If the group evaluations for a group members are low, I will work with the group to improve the team experience. If you can't attend a class, make sure to be in touch with your group ahead of and after the class to make sure you still contribute to that week's group work.

Grading as per Senate Policy

The grading scheme for the course conforms to the 9-point grading system used in undergraduate programs at York (e.g., A+ = 9, A = 8, B+ = 7, C+ = 5, etc.). Assignments and tests* will bear either a letter grade designation or a corresponding number grade (e.g. A+ = 90 to 100, A = 80 to 89, B+ = 75 to 79, etc.)

For a full description of York grading system see the York University Undergraduate Calendar – [Grading Scheme for 2023-24](#)

Missed Tests/Midterm Exams/Late Assignment

For any missed quiz or late assignment, students MUST complete the following online form which will be received and reviewed in the Psychology undergraduate office. At this time, due

to COVID-19 an Attending Physician’s Statement (APS) is not required, however, a reason for missing an evaluated component in the course must be provided.

[HH PSYC: Missed Tests/Exams Form](#). Failure to complete the form within 48 hours of the original deadline will result in a grade of zero for the missed quiz or late assignment.

Late Assignments. Assignments received after the deadline, without an explanations via the Missed Assignment Form, will be given a grade of 0. There are no exceptions (e.g., enrolling late).

Add/Drop Deadlines

For a list of all important dates please refer to: [Undergraduate Fall/Winter 2023-2024 Important Dates](#)

	Fall (Term F)	Year (Term Y)	Winter (Term W)
Last date to add a course without permission of instructor (also see Financial Deadlines)	Sept. 21	Sept. 21	Jan. 23
Last date to add a course with permission of instructor (also see Financial Deadlines)	Oct. 5	Oct. 26	Feb. 7
Drop deadline: Last date to drop a course without receiving a grade (also see Financial Deadlines)	Nov. 12	Feb. 11	18-Mar
Course Withdrawal Period (withdraw from a course and receive a grade of “W” on transcript – see note below)	Nov. 13 - Dec. 7	Feb. 12 - April 10	March 19 - April 10

Add and Drop Deadline Information

There are deadlines for adding and dropping courses, both academic and financial. Since, for the most part, the dates are **different**, be sure to read the information carefully so that you understand the differences between the sessional dates below and the [Refund Tables](#).

You are strongly advised to pay close attention to the "Last date to enrol without permission of course instructor" deadlines. These deadlines represent the last date students have unrestricted access to the registration and enrolment system.

After that date, you must contact the professor/department offering the course to arrange permission.

You can drop courses using the registration and enrolment system up until the last date to drop a course without receiving a grade (drop deadline).

You may [withdraw from a course](#) using the registration and enrolment system after the drop deadline until the last day of class for the term associated with the course. When you withdraw from a course, the course remains on your transcript without a grade and is notated as 'W'. The withdrawal will not affect your grade point average or count towards the credits required for your degree.

Information on Plagiarism Detection

All submitted work is subject to plagiarism detection screening, which includes but is not limited to: TurnItIn, manual online searches, and automatic text-matching software.

Electronic Device Policy

This course will be delivered in an online format and therefore electronic devices (e.g., tablets, laptops) are permitted during class time for course-related purposes. Any sharing of screenshots and/or personal feedback received from completing course assessments will be considered a violation of the electronic device policy and there will be consequences for this behaviour. The unauthorized sharing of these details or any other course materials by any means (e.g., What's App group, student forum, Reddit, Facebook group etc.) is strictly prohibited.

Academic Integrity for Students

York University takes academic integrity very seriously; please familiarize yourself with [Information about the Senate Policy on Academic Honesty](#).

It is recommended that you review Academic Integrity by completing the [Academic Integrity Tutorial](#) and [Academic Honesty Quiz](#)

Test Banks

The offering for sale of, buying of, and attempting to sell or buy test banks (banks of test questions and/or answers), or any course specific test questions/answers is not permitted in the Faculty of Health. Any student found to be doing this may be considered to have breached the Senate Policy on Academic Honesty. In particular, buying and attempting to sell banks of test questions and/or answers may be considered as “Cheating in an attempt to gain an improper advantage in an academic evaluation” (article 2.1.1 from the Senate Policy) and/or “encouraging, enabling or causing others” (article 2.1.10 from the Senate Policy) to cheat.

Academic Accommodation for Students with Disabilities

While all individuals are expected to satisfy the requirements of their program of study and to aspire to do so at a level of excellence, the university recognizes that persons with disabilities may require reasonable accommodation to enable them to do so. The university encourages students with disabilities to register with Student Accessibility Services (SAS) to discuss their accommodation needs as early as possible in the term to establish the recommended academic accommodations that will be communicated to Course Directors as necessary. Please let me know as early as possible in the term if you anticipate requiring academic accommodation so that we can discuss how to consider your accommodation needs within the context of this course.

<https://accessibility.students.yorku.ca/>

Excerpt from Senate Policy on Academic Accommodation for Students with Disabilities

1. Pursuant to its commitment to sustaining an inclusive, equitable community in which all members are treated with respect and dignity, and consistent with applicable

accessibility legislation, York University shall make reasonable and appropriate accommodations in order to promote the ability of students with disabilities to fulfill the academic requirements of their programs. This policy aims to eliminate systemic barriers to participation in academic activities by students with disabilities.

All students are expected to satisfy the essential learning outcomes of courses. Accommodations shall be consistent with, support and preserve the academic integrity of the curriculum and the academic standards of courses and programs. For further information please refer to: [York University Academic Accommodation for Students with Disabilities Policy](#).

Course Materials Copyright Information

These course materials are designed for use as part of the PSYC 3010 course at York University and are the property of the instructor unless otherwise stated. Third party copyrighted materials (such as book chapters, journal articles, music, videos, etc.) have either been licensed for use in this course or fall under an exception or limitation in Canadian Copyright law.

Copying this material for distribution (e.g. uploading material to a commercial third-party website) may lead to a violation of Copyright law. [Intellectual Property Rights Statement](#).

Course Schedule (Tentative)

Date	Lecture/Reading	Assignment
Jan. 8 Week 1	Introduction of the course How to come up with an empirical question Introduction on literature search	Post your research interests on eClass forum
Jan. 15 Week 2	What is research proposal? Reading scientific articles How to generate hypotheses Work session: literature search, reading articles, start forming groups	Finalize your group members. Finish TCSP Ethics course
Jan. 22 Week 3	Designing your Research Ethics in Research Work session: work on your literature review and ethics form	Post literature review on eClass forum
Jan. 29 Week 4	Choosing statistical test Work session: work on your presentation	Ethics form
Feb. 5 Week 5	*Proposal Presentations (Day 1) Programming in PsychoPy #1 Work session: PsychoPy	Set up PsychoPy Watch introduction to PsychoPy (Part 1 and Part 2)

Feb. 12 Week 6	*Proposal Presentations (Day 2) Programming in PsychoPy #2 Work session: PsychoPy	
Feb. 19	READING WEEK	
Feb.26 Week 7	Guest Lecturer: Björn Jörges (Post-doc) Open Science How to write pre-registrations (Introduction and Methods sections of scientific papers) Work session: write pre-registration, program experiment using PsychoPy	Skim APA style guide Install Zotero Pre-Registration Documentation
Mar. 4 Week 8	Work session: program experiment using PsychoPy	
Mar. 11 Week 9	Pilot data collection and feedback Work session: Do each other's experiment and give feedback	
Mar. 18 Week 10	Data Analysis and Data Visualization in R Work session: analyze and visualize pilot data in R	Set up R and RStudio Read Chapter 1 of Statistical Inference via Data Science Read Brown's Introduction to Linear Mixed Modelling in R
Mar. 25 Week 11	How to write Results and Discussion Presenting Research at Conferences Work session: posters, results and discussion	
Apr. 1 Week 12	Q&A session Work session: posters, results and discussion	
Apr. 8 Week 13	Poster presentations and feedback Work session: writing results and discussion	Deliverable: Poster
	Final paper due: Apr. 25	