

PSYC 505	Neurodevelopmental Conditions	Winter 2023
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Instructor: Carly McMorris

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Course Description and Goals

Research project in psychology conducted under the supervision of a faculty member. The course will provide opportunity to design, revise, and implement an appropriate literature search. Evaluate that information for design of a survey, collect data, and prepare data for presentation to stakeholders.

The research study will aim to identify motivational factors that influence primary caregivers of children with neurodevelopmental disorders to participate in research. The objectives include: 1) conducting a comprehensive review of the relevant literature to understand what is known about families' perceptions of research participation, and 2) surveying primary caregivers (i.e., parents) that sign up for a dedicated neurodevelopmental research recruitment database to understand their motivations for research participation.

Gaining a stronger understanding of why caregivers participate may allow researchers to improve participation and optimize research participant experience. Potential implications of this research include improving the recruitment experience for families participating in research, broadening recruitment efforts to include more diverse populations, and ensuring the consent process is appropriate for participant's understanding of research and expectation of research outcomes.

Course Learning Outcomes

The Department of Psychology is committed to student knowledge and skill development. The table below lists the key learning outcomes for this course, the program-learning outcomes they facilitate (see psyc.ucalgary.ca/undergraduate/program-learning-outcomes), and the expected level of achievement.

Course Learning Outcomes	Assessment Methods	PLO(s)	Level(s)
Conduct a comprehensive review of the relevant literature to understand what is known about families' perceptions of research participation	Report including search criteria and methodology, reference list and summary of literature	3, 5, 7	A, C, C

Design a survey based on relevant literature, to assess parents perception of research participation	Assessment of survey questions	1, 2, 4	C, C, A
Survey primary caregivers (e.g., parents) to understand their motivations for research participation	Spreadsheet of data	3, 6	A, C
Complete a written summary of survey results following data collection	Summarize and analyze data	1, 3, 4, 5, 7	C, A, A, A, C
Either (1) present findings to relevant stakeholders or (2) share with families with children of neurodevelopmental disorders in the form of a newsletter	Short oral presentation of findings.	1, 4, 5	C, A, A

Notes. PLOs = Program-Learning Outcomes: 1 = demonstrate knowledge of psychological sciences, 2 = think critically and solve problems, 3 = conduct research and analyze data, 4 = communicate effectively, 5 = demonstrate information literacy, 6 = understand and implement ethical principles in a diverse world, 7 = apply psychological knowledge and skills, 8 = Demonstrate multicultural competence and awareness of issues related to equity, diversity,* and inclusion. Level of PLO achievement facilitated by this course: I = introductory, C = competency, A = advanced.

Acknowledgments and Respect for Diversity

Our classrooms view diversity of identity as a strength and resource. Your experiences and different perspectives are encouraged and add to a rich learning environment that fosters critical thought through respectful discussion and inclusion. The Department of Psychology would also like to acknowledge the traditional territories of the people of the Treaty 7 region in southern Alberta. The City of Calgary is also home to Métis Nation of Alberta, Region III.

Prerequisites

Psychology 300, 301, admission to the Psychology major or Honours program, and consent of the Department.

Course Component	Weighting	Due Date
Comprehensive review of relevant literature	25	Due via email to co-supervisors by 11:59 PM, Jan 30, 2023
Define survey	10	Due via email to co-supervisors D2L by 11:59 PM, Jan 11
Data collection	30	Due via email to co-supervisors by 11:59 PM, March 24 rd
Summarize data	25	Due via email to co-supervisors by 11:59 PM, April 12th
Present findings	10	Due via email to co-supervisors by 11:59 PM, April 12th

Late course components will be penalized 10% per day including weekends.

Comprehensive review of relevant literature (25% of Grade)

Student will conduct a comprehensive review of the relevant literature to understand what is known about families' perceptions of research participation. Literature review must be submitted no later than Jan 30, 2021 by 11:59 PM via email to co-supervisors. Page limit 10 pages double spaced. **Late assignments will not be accepted without instructor approval.**

Define survey (10% of Grade)

Student will design survey questions based on relevant literature, to administer to and assess parents perception of research participation. Survey must be submitted no later than Jan 11, 2023 by 11:59 PM via email to co-supervisors. Page limit 5 pages. **Late assignments will not be accepted without instructor approval.**

Data collection (30% of Grade)

Student will survey primary caregivers (e.g., parents) to understand their motivations for research participation. Spread sheet of data from survey must be submitted no later than March 24th, 2023 by 11:59 PM via email to co-supervisors. **Late assignments will not be accepted without instructor approval.**

Summarize data (25% of Grade)

Student will complete a written summary with analysis of survey results following data collection. Summary must be submitted no later than April 12th by 11:59 PM via email to co-supervisors. Page limit 5 pages double spaced. **Late assignments will not be accepted without instructor approval.**

Present findings (10% of Grade)

Student will either (1) present findings to relevant stakeholders or (2) share with families with children of neurodevelopmental disorders in the form of a newsletter. Presentation or newsletter must be completed no later than April 12th, 2023 by 11:59 PM. **Late assignments will not be accepted without instructor approval.**

Second Reader: Melissa Boyce

Notes:

- it is the supervisor's responsibility to secure a second reader before submitting the outline
- the second reader must be a faculty member in the Department of Psychology, an adjunct faculty member in the Department of Psychology, or an emeritus professor
- if the supervisor is an adjunct faculty member, then the second reader must be a faculty member in the Department of Psychology

University of Calgary Academic Integrity Policy

Academic integrity is the foundation of the development and acquisition of knowledge and is based on values of honesty, trust, responsibility, and respect. We expect members of our community to act with integrity.

Research integrity, ethics, and principles of conduct are key to academic integrity. Members of our campus community are required to abide by our institutional code of conduct and promote academic integrity in upholding the University of Calgary's reputation of excellence. It is your responsibility to

ensure that you have read and are familiar with the student academic misconduct policy:
<https://www.ucalgary.ca/policies/files/policies/student-academic-misconduct-policy.pdf>.

Department of Psychology Criteria for Letter Grades

Psychology professors use the following criteria when assigning letter grades:

A+ grade: *Exceptional Performance.* An A+ grade indicates near perfect performance on multiple choice and short answer exams. For research papers/essays/course projects/presentations, an A+ grade is awarded for exceptional work deserving of special recognition and is therefore not a common grade.

A, A- Range: *Excellent Performance.* Superior understanding of course material. Written work is very strong in terms of critical and original thinking, content, organization, and the expression of ideas, and demonstrates student's thorough knowledge of subject matter.

B Range: *Good Performance.* Above average understanding of course material. Written work shows evidence of critical thinking and attention to organization and editing but could be improved in form and/or content.

C Range: *Satisfactory Performance.* Adequate understanding of course material. Knowledge of basic concepts and terminology is demonstrated. Written work is satisfactory and meets essential requirements but could be improved significantly in form and content. Note: All prerequisites for courses offered by the Faculty of Arts must be met with a minimum grade of C-.

D range: *Marginally meets standards.* Minimal understanding of subject matter. Written work is marginally acceptable and meets basic requirements but requires substantial improvements in form and content. Student has not mastered course material at a level sufficient for advancement into more senior courses in the same or related subjects.

F grade: *Course standards not met.* Inadequate understanding of subject matter. Written work does not meet basic requirements. Student has not demonstrated knowledge of course material at a level sufficient for course credit.

Grading Scale

A+	96-100%	B+	80-84%	C+	67-71%	D+	54-58%
A	90-95%	B	76-79%	C	63-66%	D	50-53%
A-	85-89%	B-	72-75%	C-	59-62%	F	0-49%

To determine final letter grades, final percentage grades will be rounded up or down to the nearest whole percentage (e.g., 89.5% will be rounded up to 90% = A but 89.4% will be rounded down to 89% = A-).

Reappraisal of Graded Term Work <http://www.ucalgary.ca/pubs/calendar/current/i-2.html>

Reappraisal of Final Grade <http://www.ucalgary.ca/pubs/calendar/current/i-3.html>

Academic Accommodations

Students seeking an accommodation based on disability or medical concerns should contact Student Accessibility Services; SAS will process the request and issue letters of accommodation to instructors. For additional information on support services and accommodations for students with disabilities, visit www.ucalgary.ca/access/. Students who require an accommodation in relation to their coursework based on a protected ground other than disability should communicate this need in writing to their Instructor. The full policy on Student Accommodations is available at <https://www.ucalgary.ca/legal-services/university-policies-procedures/accommodation-students-disabilities-procedure>.

Academic Misconduct

For information on academic misconduct and its consequences, please see the University of Calgary Calendar at <http://www.ucalgary.ca/pubs/calendar/current/k.html>

Instructor Intellectual Property

Course materials created by professor(s) (including course outlines, presentations and posted notes, labs, case studies, assignments and exams) remain the intellectual property of the professor(s). These materials may NOT be reproduced, redistributed or copied without the explicit consent of the professor. The posting of course materials to third party websites such as note-sharing sites without permission is prohibited. Sharing of extracts of these course materials with other students enrolled in the course at the same time may be allowed under fair dealing.

Copyright Legislation

All students are required to read the University of Calgary policy on Acceptable Use of Material Protected by Copyright (www.ucalgary.ca/policies/files/policies/acceptable-use-of-material-protected-by-copyright.pdf) and requirements of the copyright act (<https://laws-lois.justice.gc.ca/eng/acts/C-42/index.html>) to ensure they are aware of the consequences of unauthorized sharing of course materials (including instructor notes, electronic versions of textbooks etc.). Students who use material protected by copyright in violation of this policy may be disciplined under the Non-Academic Misconduct Policy.

Freedom Of Information and Protection of Privacy

Student information will be collected in accordance with typical (or usual) classroom practice. Students' assignments will be accessible only by the authorized course faculty. Private information related to the individual student is treated with the utmost regard by the faculty at the University of Calgary

Student Support and Resources

<https://www.ucalgary.ca/registrar/registration/course-outlines>

Important Dates

The last day to drop this course with no "W" notation and **still receive a tuition fee refund is Thursday, January 19, 2023**. Last day add/swap a course is **Friday, January 20, 2023**. The last day to withdraw

from this course is **Wednesday, April 12, 2023**

<https://www.ucalgary.ca/pubs/calendar/current/academic-schedule.html#fall2017>