UNIVERSITY OF CALGARY

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DEPARTMENT OF PSYCHOLOGY
Faculty of Arts

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PSYC 505	Imaging Markers and Cognition in TIA	Winter 2023

Instructor:	Brandy Callahan	**Student Name:**	Harkish Chahal
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Office:	AD 131C	**Weekly Meeting:**	TBD

Course Description and Goals

The intended research project will aim to assess the relationship between imaging markers and cognition when looking at patients with TIA. The student's role will be to score and enter data, analyze preliminary data, and summarize results.

The course is intended to facilitate completion of an independent research project and the development of research-related skills. The major goals of this course are to 1) develop the student's presentation skills, 2) increase the student's knowledge of the different areas of psychological research, 3) enhance the student's understanding of how psychological research is conducted, 4) help prepare the student for graduate and professional level training.

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)
Interpret and evaluate psychological research – including interpreting graphical depictions of data, critically assessing statistical methods, and drawing appropriate conclusions.	Thesis	2, 3, 4, 5, 7	A, A, A, A, A
Input, organize, and manipulate data, and conduct statistical analyses using statistical software (or by hand)	Thesis	3	A
Prepare a detailed written report that describes, interprets, and draws appropriate conclusions from the results of a research project	Thesis	1, 2, 3, 4, 5	A, A, A, A, A
Deliver effective presentations accessible to a broad audience	Oral Presentation	1, 2, 4, 5	A, A, A, A
Answer questions about his/her own research presentations in an intelligent, thoughtful, and professional manner	Oral Presentation	1, 2, 4, 5	A, A, A, A

Prepare a poster presenting key findings of his/her own research	N/A (ungraded)	1, 2, 4, 5	A, A, 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
Psyc 300 and 301 – Research Methods and Data Analysis in Psychology I and II
AND admission to either the Psychology major or Honors Program

Evaluation

Course Component	Percent of Grade	Due Date
Proposal Presentation	15%	January 20th, 2023
Analyzing preliminary data	10%	February 6th ,2023
Progress Report	10%	March 1st ,2023
Draft of intro, methods, preliminary data and preliminary conclusions (no more than 30 pages in length, double–spaced, including references, tables, and graphs)	25%	March 20th ,2023
Final Presentation	15%	April 3rd, 2023
Final Written Report	25%	April 12th ,2023

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

Presentations (30% of the final grade)
Student will give two 12-minute oral presentations using PowerPoint. Each presentation will be followed by a question and discussion period. Proposal presentation (15% of final grade); this will outline the proposed thesis research (background research, research question, proposed methods, predictions). Final Presentation (15% of final grade): this will describe the entire honours project (including results and interpretation, limitations, and ideas for future research). Feedback on both the content (e.g., quality of rationale for study, clarity of the description of the method, anticipated contribution to the literature) and delivery (e.g., enthusiasm, clarity of speech, eye contact, etc.) of the presentations will be provided.

Preliminary Data Analysis (10% of the final grade)
Student will run the analyses presented in the proposal presentation, and submit the output and syntax file to the supervisor for verification.

Progress Report (10% of the final grade)
Student will provide a 1-page written report of progress on the study to date, as well as any encountered pitfalls and plans to address these.

Written Draft and Final Reports (50% of the final grade)
The draft and written reports should be no more than 30 pages in length, double–spaced, including references, tables, and graphs. The style should conform to APA 7th Edition, and be structured as follows: Background; Methods; Results; Discussion. The supervisor can provide an example of a high-quality written document of similar format and style. The documents will be evaluated on the quality of the writing, caliber of the research project (e.g., originality, appropriateness, sophistication of method/design, potential impact of the findings, and contribution to the discipline), and research effort (e.g., student's contributions to the design/method, data collection, analysis, interpretation; skills/training acquired during the project).

Second Reader
The second reader is Andrea Protzner, who will evaluate the final written work completed by the student. The student's final grade will be negotiated between the supervisor and the second reader.

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%

As stated in the University Calendar, it is at the instructor's discretion to round off either upward or downward to determine a final grade when the average of term work and final examinations is between two letter grades.

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