

Psychology 503	Bringing Research to Life	Winter 2022
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Instructor:	Lorraine Reggin	Lecture Location:	SA 017 or online (as per University direction)
Email:	Lorraine.reggin@ucalgary.ca	Lecture Days/Time:	T/R 12:30-1:45 synchronous lectures with participation
Office:	Admin 063/Zoom room: https://ucalgary.zoom.us/j/6829579161 (Lorraine's personal meeting room – for appointments)		Join Zoom Meeting: https://ucalgary.zoom.us/j/97272346815 (zoom meeting for lectures)
Office Hours:	Email me to arrange a convenient time		Meeting ID: 972 7234 6815 Passcode: KMb

Course Description

Bringing Research to Life - Examination of knowledge mobilization and science communication. Students gain skills in designing knowledge mobilization plans and learn principles to implement positive changes in society using research.

This course examines the current state of knowledge mobilization (KMb) in social sciences, health, and sports sciences as well as effective science communication. Researchers want to do research that has value and impact. Knowledge mobilization consists of all the activities and outputs that bring awareness to a topic of research and enable its use. KMb is an emerging field. Many funding agencies are now requiring a knowledge mobilization strategy as a part of research grant proposals. Funders like to see that the money put towards research will have results.

The students will learn existing Knowledge to Action models, best practices, theories of change, evaluation of what constitutes good evidence, and evaluation of impact will be examined. Students will gain skills in developing logic models, designing knowledge mobilization plans, and learn principles of how to implement positive changes in society using research. Students will develop their role as a science communicator, practice communication styles, learn to read and interpret research papers, and create attractive visual supports to communicate knowledge. By the end of the course students should have a set of tools to equip them to engage in knowledge mobilization in academic and/or community settings. This course is well suited for honours students who would like to engage in a practical communication project of their academic research or other students who have a goal to use their psychology background to support business, not-for-profit, or political endeavours.

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

<https://live-arts.ucalgary.ca/psychology/about#program-learning-outcomes>), and the expected level of achievement.

Course Learning Outcomes	Assessment Methods	PLO(s)	Level(s)
Describe and critically evaluate theories of knowledge mobilization	Written assignments, oral presentations, k-wikis, participation	1, 2, 4, 5,	A
Critically evaluate primary research articles in psychology	Written assignments, oral presentations	1, 2, 4, 5	A
Synthesize material from several sources (empirical studies, review articles, lectures) to formulate appropriate debates and conclusions regarding knowledge mobilization, particularly as it pertains to psychological research	Capstone project - written and oral	1, 2, 4, 5,7,	A
Deliver an effective oral presentation to mobilize a piece of research in the psychological sciences	Oral presentation	1, 2, 4	A
Deliver a written product to mobilize a piece of research in the psychological sciences	Written product	1, 2, 4	A
Provide explanation of written product	Written assignment	1, 2, 4	A
Develop skills in receiving and providing feedback to peers	Participation, k-wikis	2, 4	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.

Course Format

This class will be offered in person or synchronously online as per the current provincial mandates and decisions of the University due to COVID-19.

Prerequisites

Psyc 300 – Research Methods and Data Analysis in Psychology I
 Psyc 301 - Research Methods and Data Analysis in Psychology II

And admission to the Psychology major or Honours program

Required Text

There is no required textbook for the course. References to required readings and additional readings will be provided on D2L.

Assessment Methods

<p>Activities (complete all 5 – 4% each) due 6 days after assigned submit to D2L Dropbox by 11:59pm</p>	20%	<p>Activity 1: Definition and Introduction Activity 2: Stakeholder Onion Activity 3: Create a theory of change Activity 4: Create a logic model Activity 5: Create an evaluation plan</p>	<ul style="list-style-type: none"> ▪ assigned Jan 11, due Jan 17 at 11:59pm to D2L Dropbox ▪ assigned Jan 20, due Jan 26 by 11:59pm to D2L Dropbox ▪ assigned Feb 1, due Feb 7 by 11:59pm to D2L Dropbox ▪ assigned Feb 3, due Feb 9 by 11:59pm to D2L Dropbox) ▪ assigned Feb 8, due Feb 14 by 11:59pm to D2L Dropbox
<p>Creative Pieces (complete 4 of 5 – 5% each): each creative piece is due 2 weeks after assigned</p>	20%	<p>Creative Piece 1 Creative Piece 2 Creative Piece 3 Creative Piece 4 Creative Piece 5</p>	<ul style="list-style-type: none"> ▪ assigned Mar 3, due Mar 17 at 11:59pm to D2L Dropbox ▪ assigned Mar 10, due Mar 24 by 11:59pm to D2L Dropbox ▪ assigned Mar 17, due Mar 31 by 11:59pm to D2L Dropbox ▪ assigned Mar 24, due Apr 7 by 11:59pm to D2L Dropbox) ▪ assigned Mar 31, due Apr 12 by 11:59pm to D2L Dropbox
<p>Capstone Project (written):</p>	20%	<p>15% explanation of product, 5% product</p>	<p>Due April 22 by 11:59pm to D2L Dropbox</p>
<p>Capstone Project (oral):</p>	10%	<p>8- 10 minutes</p>	<p>Randomly scheduled during the final 5 classes</p>
<p>“radio” segment recording</p>	10%	<p>3 minutes</p>	<p>Submit throughout term. See details in D2L.</p>
<p>k-wikis</p>	10%	<p>2 x 5% each</p>	<p>Submit throughout term. See sign-up sheet to schedule 2 k-wikis. See details in D2L.</p>

Class participation	10%		Comment in class, provide feedback on readings, on D2L, on your classmates' projects, k-wikis, radio, etc
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Format and submission for assignments:

Activities, creative projects, “radio” segments, k-wikis, and final projects can be submitted in Word, Powerpoint, PDF, .mp4, or .mov. Please talk to me if there is another option you would like me to consider. For activities or creative projects involving a description use fonts and margins specified by APA. I’m not marking APA per say but the APA guidelines will allow for a rough determination of size. For example, for the description to fit in one page I do not want to see 8-point font. Include your name, student number, and page number in the running head. You do not need a title page. Please save as this format, LASTNAME,FirstnameActivity1 and submit to the Dropbox in D2L by the deadline.

Description of Assignments (more details and rubrics will follow on D2L where needed):

Activities (20%, complete ALL 5, 4% each)

The details for each activity will be provided at the end of the lecture on that topic. An example will be provided. They will all fit on one page and sometimes involve a visual (e.g., the stakeholder onion is a visual representation of all the stakeholders involved in a project and then there will be a few sentences description about your ‘onion’). They do not need to follow APA.

Creative Projects (20%, complete 4 of 5, 5% each) The creative projects are meant to use creativity. They do not need to follow APA. They will use colour and graphics if desired. You can use online resources such as Canva and others.

CP1. Policy brief (max 2 pages).

CP2. SMART objectives and 2 versions of a single KMb activity (one will involve 1-Way Communication and one will involve Dialogue Communication, these are visuals). Max 3 pages.

CP3. Create a fact sheet (max 1 page).

CP4. Infographic (needs to fit on one page)

CP5. Evaluation of one of your existing projects (e.g., infographic, radio segment or other). Describe how you have included all the science communication strategies we've seen over the term: a good definition of audience, audience needs, justification of the format and use of the various tools we covered in this course when they can help to make your topic more accessible and engaging for your audience. (max 2 pages – page 1 is a short conceptual description of your project with all the above points and page 2 is the product itself (even if I've seen it before; e.g., text, infographic, link to a video or podcast, conference program, roundtable synopsis, etc).

K-wiki presentations: (10%):

At the beginning of every week (I will complete the first week), a few students will share an example of a Knowledge Mobilization (KMb) ‘product’ via a short video recording (no more than 5 minutes in length) and post it to D2L for class viewing and discussion. This example of KMb could be from your life, your work, or from current events/social media. The presentation should include a brief description of the KMb product, how it relates to the principles or theories we’ve discussed thus far, and how/why it is successful or unsuccessful. All students in the course will need to complete one of these k-wiki presentations before the last day of term.

Students will complete this activity individually. I will post a scheduling tool to organize who will present each week. Presenters should upload their videos before the Monday of their week. Students who are not presenting should engage with the weekly k-wiki presentations and make a comment on each one. Comments should be related to the KMb product (e.g., is it really a successful example of KMb? Who is the target audience? Are they reaching them successfully? Students' comments should be made by the end of the day on the Friday of each week.

"Radio" segments (10%): The radio segment is expected to have a run time of 3 minutes. Equivalent length is approximately 2 pages, double-spaced (example format for this will be provided on D2L including questions to answer).

Capstone project (30% total: written explanation: 15%, product: 5%, oral: 10%): Your goal is to translate knowledge that you have acquired in any psychology course (if you would like me to consider a project in another social science course please talk to me ahead of time, e.g., linguistics, sociology). It would be ideal to translate knowledge from an individual project such as an honours project, individual project (e.g., 504), or from other research (e.g., research assistant) into materials accessible to an audience of your choice. Using the Knowledge Translation Planner, you will identify and justify your choices (this will be submitted as your KM plan, 15% written), and create a presentation that you will deliver in class (10% oral). You will also create a publication that highlights key information about the topic and supplements your presentation, this is the knowledge mobilization 'product' (5%).

Written explanation (15%) – Submit a KM plan, use the format from <http://www.kmbtoolkit.ca/the-toolkit>

Written product (5%) – Submit the product (e.g., infographic, brochure, plan for presentation, etc).

Oral: (10%) – In an 8–10-minute presentation share your product and the KM plan that you used to develop that product. Give a brief description of the 'what', 'why', 'who' (both collaborators and people with whom you want to connect), 'how', 'when', and 'measures' that are planned to achieve your KMb goals.

Late assignments: Please contact me BEFORE the assignment is due. Late assignments will not be accepted without instructor approval and will not be accepted at all once the assignments have been returned to the other students. Late assignments will be penalized 10% per day, including weekends. Students may be asked for documentation <https://www.ucalgary.ca/pubs/calendar/current/m-1.html>. There are many opportunities for participation (commenting on D2L, on classmates' projects and participating during the lecture either verbally or in the chat function). Missed presentations will receive a 0% without instructor approval as well as an alternate plan for completion.

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 course instructors 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%

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-).

Tentative Lecture Schedule

University scheduled dates

Due dates

Assignments explained

Date	Topic	Assignment/Reading	Due Date
T Jan 11	First day of lectures		
T Jan 11	Theories and definitions of knowledge mobilization	Activity 1: Definition activity (2%) and Introduction (2%)	due Monday, January 17 at 11:59pm
T Jan 11	Course Outline and Assignments <ul style="list-style-type: none"> ▪ Activities ▪ Creative Pieces ▪ Radio Segment assignment ▪ K-wikis ▪ Participation 	Activities (20%) Creative Pieces (20%) Radio segment assignment (10%) k-wikis (10%) active participation (10%)	Activities/Creative Pieces: due throughout term, Dates below Radio: no later than the final day of classes, April 12. Details posted to D2L. K-wikis: see sign-up sheet on D2L – register for 2 different weeks Throughout term
	Capstone Project	Capstone project both written (20%) and oral presentation (10%)	Written, due Friday, April 22 by 11:59pm to Dropbox D2L Oral: last 5 lectures, random assignment
R Jan 13	Models of knowledge mobilization	Reading Posted to D2L (read article before lecture to contribute to discussion)	
M Jan 17			Activity 1 DUE: Monday, January 17 by 11:59pm to Dropbox in D2L
T Jan 18	What should be mobilized? Evaluating Evidence	Reading Posted to D2L (read article prior to lecture to contribute to discussion)	
R Jan 20	Last day to drop a class without financial penalty		
R Jan 20	Stakeholders	Activity 2: Stakeholder onion (4%)	due Monday Wednesday 26 by 11:59pm to Dropbox in D2L

F Jan 21	Last day to add or swap a course		
T Jan 25	KM in Research Contexts	Reading Posted to D2L (read article prior to lecture to contribute to discussion)	
M Jan 26			Activity 2 DUE: Wednesday, January 26 by 11:59pm to Dropbox in D2L
R Jan 27	KM in Research Contexts, continued from Jan 25	Continued from Jan 25	
F Jan 28	Fee payment deadline for Fall Term full and half courses.		
T Feb 1	KM in Applied Contexts: Theory of change	Activity 3: Create a theory of change (4%)	due Monday February 7 by 11:59pm to Dropbox in D2L
R Feb 3	KM in Applied Contexts: Logic models	Activity 4: Create a logic model (4%)	due Wednesday February 9 by 11:59pm to Dropbox in D2L
M Feb 7			Activity 3 DUE: Monday February 7 by 11:59pm to Dropbox in D2L
T Feb 8	Evaluation	Activity 5: Create an evaluation plan (4%)	due Monday February 14 by 11:59pm to Dropbox in D2L
W Feb 9			Activity 4 DUE: Wednesday February 9 by 11:59pm to Dropbox in D2L
M Feb 14			Activity 5 DUE: Monday February 14 by 11:59pm to Dropbox in D2L
T Feb 15	Introduction to Science Communication		
R Feb 17	TBD		
M Feb 21	Family Day no Classes		

Feb 22-26	Term Break No Classes	Consider getting started on your capstone project and presentation. Feel free to discuss ideas with me.	Oral presentations March 29, 31, April 5, 7, 12 Written due April 22
T Mar 1	Science Communication – part 1		
R Mar 3	Science Communication – part 2	Creative Project 1	due in 2 weeks – March 17 by 11:59 to Dropbox D2L
T Mar 8	Speaking to the right audience		
R Mar 10	Deficit and Dialogue Models	Creative Project 2	due in 2 weeks – March 24 by 11:59 to Dropbox D2L
T Mar 15	Reporting Science Results – research papers		
R Mar 17	Reporting Science Results – fake news	Creative Project 3	due in 2 weeks – March 31 by 11:59 to Dropbox D2L
R Mar 17			DUE: Creative Project 1 by 11:59pm to Dropbox D2L
T Mar 22	Science Communication Strategy – ethics, opinions, personal experience		
R Mar 24	Science Communication Strategy –	Creative Project 4	due in 2 weeks – April 7 by 11:59 to Dropbox D2L
R Mar 24			DUE: Creative Project 2 by 11:59pm to Dropbox D2L
T Mar 29	Public Engagement Presentations (2 presentations, 8-10 minutes each)	Creative Project 5	due in 2 weeks – April 12 by 11:59 to Dropbox D2L
R Mar 31	Presentations (7 presentations, 8-10 minutes each)		
R Mar 31			DUE: Creative Project 3 by 11:59pm to Dropbox D2L
T Apr 5	Presentations (7 presentations, 8-10 minutes each)		

R Apr 7	Presentations (7 presentations, 8-10 minutes each)		
R Apr 7			DUE: Creative Project 4 by 11:59pm to Dropbox D2L
T Apr 12	Presentations (7 presentations, 8-10 minutes each)		
T Apr 12	Last day to submit radio segment activity		DUE: Radio segment activity (10%) DUE: Creative Project 5 by 11:59pm to Dropbox D2L
T Apr 12	Last day of Lectures and last day to withdraw from a winter term half course		
F Apr 22			DUE: Final capstone written project due, by 11:59pm to D2L
Ap 19-29	Fall Final Exam Period		

Extra Research Participation Course Credit is Not Offered for this Course.

Supporting Documentation

Students may be asked to provide supporting documentation for an exemption/special request. This may include, but is not limited to, a prolonged absence from a course where participation is required, a missed course assessment, a deferred examination, or an appeal. Students are encouraged to submit documentation that will support their situation. Supporting documentation may be dependent on the reason noted in their personal statement/explanation provided to explain their situation. This could be medical certificate/documentation, references, police reports, invitation letter, or a statutory declaration, etc. The decision to provide supporting documentation that best suits the situation is at the discretion of the student. Students cannot be required to provide specific supporting documentation, such as a medical note.

Students can make a Statutory Declaration as their supporting documentation (available at ucalgary.ca/registrar). This requires students to make a declaration in the presence of a Commissioner for Oaths. It demonstrates the importance of honest and accurate information provided and is a legally binding declaration. Several registered Commissioners for Oaths are available to students at no charge, on campus, please see ucalgary.ca/registrar.

Falsification of any supporting documentation will be taken very seriously and may result in disciplinary action through the Academic Discipline regulations or the Student Non-Academic Misconduct policy

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, Thursday, January 20, 2022**. Last day add/swap a course is **Friday, January 21, 2022**. The last day to withdraw from this course is **Tuesday, April 12, 2022**.

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