



UM | Faculty of Agricultural
and Food Sciences

Syllabus
HNSC7110 Method Café
Winter 2022

**DEPARTMENTS OF HUMAN NUTRITIONAL SCIENCES
AND ANIMAL SCIENCES**



**University
of Manitoba**

****We acknowledge with great respect that The University of Manitoba campuses are located on original lands of Anishinaabeg, Cree, Oji-Cree, Dakota, and Dene peoples, and on the homeland of the Metis Nation.****

**HNSC/ANSC 7110 ADVANCED PROBLEMS IN NUTRITION (METHOD CAFÉ) (3 CR)
WINTER 2022 (JANUARY -APRIL)**

Instructors and Office:

Office: Dr. Miyoung Suh, RD, PhD:
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Office Hours: By appointment (by phone or email)

Course

Description: This 12-week, 3 hours per week course will introduce students to key methods in healthy cities and implementation science. Offered to students who are accepted to the CIHR SMART Healthy Cities Training Platform. Require Instructor’s approval to register.

Overall Course Objective

The course will stimulate the learners to achieve the following learning objectives:

- Describe terms, perspectives, and methods of diverse disciplines contributing to healthy cities and implementation science research.
- Differentiate among methods in terms of their utility and potential alignment with the students’ own research.
- Demonstrate skills in interdisciplinary investigation and co-learning.
- Develop their peer networks, through interactions with students in other fields and institutions.
- Demonstrate group facilitation and leadership skills

Additionally, students will gain an introductory understanding of the application of methods discussed to the research of participating training program faculty members and gain the needed foundation to participate in the capstone design project course.

It is expected that students will further develop their mastery of these methods and how they apply to their research through additional specialized courses and involvement in experiential opportunities.

Classes: Weekly virtual seminar series (see the topics below)

Course Format: Lectures, group facilitation and discussions

Evaluation:

| | |
|---|-----|
| Weekly reflection (9 of 12 lectures for 5% per paper) | 45% |
| Group facilitation | 15% |
| Method paper -outline (Due end of week 7) | 15% |
| Final paper (Due end week 4) | 25% |

Evaluation: Final grades will be assigned as follows:

| | |
|----|----------|
| A+ | 90-100 |
| A | 80-89.9 |
| B+ | 75-79.9 |
| B | 70-74.9 |
| C+ | 65-69.9% |
| C | 60-64.9% |
| D | 50-59.9% |

Deadlines: Winter 2022 VW deadline (Apr 25, 2022) and last date to drop the course (Feb 4, 2022)

A virtual methods seminar series (weekly lectures) will introduce students to researchers and practitioners from across the program network on a weekly basis. Each session will feature an individual or team that will share knowledge related to an established methods theme. Participating speakers will form the context for a convergence training experience, where the course will serve to link together methodological innovations and blur the boundaries between discipline-specific approaches to solving complex multidisciplinary problems. Student teams will discuss the lecture and the assigned readings and draft questions for the week's speaker. Each week, a student lead will facilitate the discussion. A faculty member from the training platform will attend each session to contribute to collegial and productive discussions

“Methods Café” or “Methods Buffet”?

The course content is best described (in keeping with the focus of many student trainees) using food metaphors. We first considered the term “Methods Café”, to reflect the “World Café” group discussion method (<http://www.theworldcafe.com/key-concepts-resources/world-cafe-method/>). However, since the course offers a series of separate and independent lectures, we decided that the term “Methods Buffet” or even “Methods Potluck” best reflected the course format—each participant will bring their unique perspectives, skills, and outputs to the table, and have the opportunity to sample all contributions.

Using Copyrighted Materials and Intellectual Property right:

Please respect copyright. We will use copyrighted content in this course. I have ensured that the content I use is appropriately acknowledged and is copied in accordance with copyright laws and university guidelines. Copyrighted works, including those created by me, are made available for private study and research and must not be distributed in any format without permission. Do not upload copyrighted works to a learning management system (such as UMLearn), or any website, unless an exception to the *Copyright Act* applies or written permission has been confirmed. For more information, see the University's Copyright Office website at <http://umanitoba.ca/copyright/> or contact um_copyright@umanitoba.ca.

In addition to the UM-specific guidelines for academic integrity, please keep in mind that your class mates may be discussing their own prospective or ongoing thesis research. Keep in mind to maintain the confidentiality of ongoing research until it is published. Therefore “Do not cite or quote without the author's permission” while in discussions. Also, claiming ownership over other students' ideas and work is not permitted and is an academic offense. When in doubt, ask your colleague.

Groups of students may identify collaborative writing or research opportunities through their discussion group. In this case, all students should carefully review their universities' intellectual property rights and guidelines for authorship and ensure that your publication plans align with both. Please reach out to your advisors for assistance if needed.

Course Technology:

Since this methods seminar series course is offered to students from across the SMART Healthy Cities Training Platform program network (Univ of Guelph, Univ of Manitoba, McGill Univ and other 6 institutions), it will be centrally organized via the Univ of Guelph. The Guelph SMART Training administrator will provide students with the access to Teams.

Academic Integrity:

Each student in this course is expected to abide by the University of Manitoba [Academic Integrity principles](#). Always remember to reference the work of others that you have used. Also be advised that you are required to complete your assignments independently unless otherwise specified. If you are encouraged to work in a team, ensure that your project complies with the academic integrity regulations. You must do your own work during exams. Inappropriate collaborative behavior and violation of other Academic Integrity principles, will lead to the serious [disciplinary action](#). Visit the [Academic Calendar](#), [Student Advocacy](#), and [Academic Integrity](#) web pages for more information and support.

Recording Class Lectures:

Dr. Dawn Parker (with Dr. Leia Minaker and Sharon Kirkpatrick) has originally developed this course and Drs. David Ma, Laurette Dube, Miyoung Suh edited to the final form. Therefore, course materials are only for your private study and research, but not to share with others via posting in any media and online.

Student Accessibility Services:

The University of Manitoba is committed to providing an accessible academic community. [Students Accessibility Services \(SAS\)](#) offers academic accommodation supports and services such as note-taking, interpreting, assistive technology and exam accommodations. Students who have, or think they may have, a disability (e.g. mental illness, learning, medical, hearing, injury-related, visual) are invited to contact SAS to arrange a confidential consultation.

Student Accessibility Services, 520 University Centre

Phone: (204) 474-7423; Email: Student_accessibility@umanitoba.ca

Overview of Weekly Activities and Expectations

For Winter 2022, the course will be held through individual independent studies or special topics courses at participating academic institutions and will be hosted on MS Teams. A student lead will be randomly assigned for each week. Students may trade their week as lead, if they inform the coordinator.

1. The week's speaker will record and post a **60-minute on-line session** (or series of video content items) on their topic. The speaker will also suggest **2-3 key readings**. The recording

and weekly readings will be available on MS Teams no later than 9 AM EST on the Friday prior to the seminar week.

2. Students are asked to engage with the recording, review the key readings, and write their **weekly reflections**, including at least one draft question for the speaker. Weekly reflections are to be submitted on MS Teams no later than Tuesday mornings at 9 AM EST.
3. The weekly student discussion leader is asked to review their group’s weekly reflections prior to discussion group.
4. Students will meet virtually for up to 90 minutes in **a synchronous on-line discussion group**, on Wednesday evening at 7 PM EST. The weekly student lead will review student’s weekly reflections, facilitate the discussion and guide the group to come up with 2-3 questions for the speaker. The weekly student lead will then compile and submit **questions from the group for the speaker** on MS Teams by Thursday at noon EST. At least 1 participating faculty member will monitor each week’s student discussion group to support the student lead with the discussion facilitation, as needed. For Winter 2022, Drs. David Ma, Miyoung Suh, and Laurette Dubé will act as the faculty members monitoring the discussion groups.
5. The speaker will receive **the student questions** from the discussion group(s) and will answer via a short, recorded video (30 minutes) or in writing, per their preference, no later than the following Tuesday morning at 9 AM EST. 6. Students will view responses to questions by their next discussion group and may choose to follow up on question responses in the next week’s discussion group

Summary table for Week “n”

| BY WHEN | WHAT | WHO |
|--|--|---|
| Friday 9 AM EST, week n-1 | Post lecture and readings | Week’s feature expert |
| Tuesday 9 AM EST, week n | Post weekly reflections | All students |
| Before discussion group Wednesday at 7 PM EST | Read other weekly reflections | Student group leader for week n |
| Wednesday 7 PM EST | Group discussion with 2 breakout groups Students | 1 faculty advisor (For Winter 2022 this will be Drs. Ma, Suh, Dubé) |
| Thursday noon EST | Post questions for speaker | Student group leader for week n |
| Tuesday 9 AM EST | Post questions for speaker | Student group leader for week n |
| Before next discussion group Wednesday 7 PM EST, week n+1 | Review expert’s answers | All students |

Course Schedule: January 24-April 25, 2022

* Indicates 2 lectures that are 30 minutes each

| Date | Speaker and affiliation | Title, description, and key readings |
|---|--|---|
| Week 1* Week of Jan 24 | Louis Potvin , U Montreal (30min) Alayne Adams , McGill (30 min) | “What is ‘Implementation Science?’” (overview) <ul style="list-style-type: none"> (D. Ma, M. Suh, and L. Dubé) record a welcome to platform |
| Week 2 Week of Jan 31/22 | Sharon Kirkpatrick U Waterloo | Systems Thinking |
| Week 3 Week of Feb 7/22 | Natalie Riediger U Manitoba | Community-based Participatory research |
| Week 4 Week of Feb 14/22 | Sandra Schillo , U Ottawa L. Dubé , McGill Mary L’Abbé , U of T | Convergence by Design |
| READING WEEK (Week of Feb 21/22) | | |
| Week 5 Week of Feb 28/22 | Leia Minaker U Waterloo | Sex and Gender Based Analysis (SGBA+) |
| Week 6* Week of Mar 7/22 | Sara Ahmed , McGill (30 min) Audrey Durand , Laval (30 min) | Digital Health and Patient Centered Outcomes |
| Week 7 Week of Mar 14/22 | Catherine Paquet , Laval Raja Sengupta , McGill | Socio-spatial Epidemiology |
| Week 8 Week of Mar 21/22 | Dawn C. Parker U Waterloo | Introduction to Modelling (Model definitions, concepts, goals, and types) |
| Week 9 Week of Mar 28/22 | Wei Qi McGill | Healthy Cities and Smart Cities |
| Week 10 Week of Apr 4/22 | Jian-Yun Nie , U Montreal | Intro to Data Science and AI, Natural Language Processing, Text processing, Data Availability |
| Week 11 Week of Apr 11/22 | Luc Clair U Winnipeg | Intro to Health Economics |
| Week 12 Week of Apr 18/22 | Steven Clarke Guelph | Design Methods |

- Due to the nature of a network course, some institutions start classes running from January 10th to April 8 th, with a reading week February 20th -26th at most participating institutions.

- Students can miss 3 weeks of classes in a total of 12.

Assessments:

| Component | Weight | Description |
|---|--|--|
| Weekly reflections | 45% (5% per paper, 3 weeks can be missed) | <p>Submit weekly reflections on course readings and tutorial content to MS Teams. These will be assessed as missing (0%), adequate (2.5%) or in-depth (5%) by your faculty advisor. The ten highest marks will comprise the overall mark (i.e., 3 weekly reflections can be missed). Reflections should be 250-500 words, double spaced, informal but clearly (concisely and cohesively) written, and should describe your critical reflection on the methods.</p> <p>Possible questions:</p> <ul style="list-style-type: none"> • How would you apply these methods to your area of research in implementation science? • What gaps would these methods fill in your discipline’s typical approach to this research area? • What limitations do you see for this method in terms of understanding your research area? • How does the method compare to or complement other methods covered? • To what extent and how might you use findings from this method to inform policy or other healthy cities interventions? • What questions do you have for the speaker |
| Group Facilitation | 15% | <p>Each student will have responsibility for leading discussion for one week.</p> <p>The student weekly lead will a lead the group discussion (up to 90 minutes) based on the content from the online session, the readings, and weekly reflections of all students. The student lead is responsible for compiling and submitting a final list of questions to the speaker. Page 5 of 5 Developed by: Dawn Parker w/ Leia Minaker and Sharon Kirkpatrick and edited 13-Dec-21. This will be assessed as did not complete (0%), completed but was unprepared (7%) or completed and was prepared (i.e., had read materials, came prepared with good group questions) (15%).</p> |
| Final methods paper – outline (due end of Week 7) | 15% | <p>The topic/scope of the paper can be very open and designed with the advisor to be appropriate to the student’s level and goals:</p> <ul style="list-style-type: none"> • For an undergrad, a detailed in-depth review of a method of interest. • For a first-year master’s student, a proposed research design combining one or more methods from the course to a Healthy Cities problem. • For a PhD student, an applied thesis chapter using one of the methods, or a more in-depth, publishable review paper on applications of the methods learned in their field(s) of interest. <p>The purpose of the outline is to provide an early opportunity to structure the purpose, methods, key arguments, and initial citations for their paper.</p> |
| Final paper – final draft | 25% | <p>This paper should represent a culmination of their learning, and the assessment can reflect the extent to which feedback provided at the outline stage was incorporated it into the final draft. Students should also have the</p> |

| | |
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| (due end of Week 13) | option to incorporate learning and insights from fellow students, by citing their short reflective papers and discussions, as appropriate. |
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Please review as below:

UNIVERSITY SUPPORT OFFICES & POLICIES

Schedule “A”:

Section (a) academic supports and resources:

Writing and Learning Support

The Academic Learning Centre (ALC) offers services that may be helpful to you throughout your academic program. Through the ALC, you can meet with a learning specialist to discuss concerns such as time management, learning strategies, and test-taking strategies. The ALC also offers peer supported study groups called Supplemental Instruction (SI) for certain courses that students have typically found difficult. In these study groups, students have opportunities to ask questions, compare notes, discuss content, solve practice problems, and develop new study strategies in a group-learning format.

You can also meet one-to-one with a writing tutor who can give you feedback at any stage of the writing process, whether you are just beginning to work on a written assignment or already have a draft. If you are interested in meeting with a writing tutor, reserve your appointment two to three days in advance of the time you would like to meet. Also, plan to meet with a writing tutor a few days before your paper is due so that you have time to work with the tutor’s feedback. These Academic Learning Centre services are free for U of M students. For more information, please visit the Academic Learning Centre website at:

<http://umanitoba.ca/student/academiclearning/>

You can also contact the Academic Learning Centre by calling 204-480-1481 or by visiting 205 Tier Building.

University of Manitoba Libraries (UML)

As the primary contact for all research needs, your liaison librarian can play a vital role when completing academic papers and assignments. Liaisons can answer questions about managing citations, or locating appropriate resources, and will address any other concerns you may have, regarding the research process. Liaisons can be contacted by email or phone, and are also available to meet with you in-person. A complete list of liaison librarians can be found by subject: <http://bit.ly/WcEbA1> or name: <http://bit.ly/1tJ0bB4>. In addition, general library assistance is provided in person at 19 University Libraries, located on both the Fort Garry and Bannatyne campuses, as well as in many Winnipeg hospitals. For a listing of all libraries, please consult the following: <http://bit.ly/1sXe6RA>. When working remotely, students can also receive help online, via the Ask-a-Librarian chat found on the Libraries’ homepage: www.umanitoba.ca/libraries.

Section (b) mental health support and resources:

For 24/7 mental health support, contact the Mobile Crisis Service at 204-940-1781.

Student Counselling Centre

Contact SCC if you are concerned about any aspect of your mental health, including anxiety, stress, or depression, or for help with relationships or other life concerns. SCC offers crisis services as well as individual, couple, and group counselling. *Student Counselling Centre:*

<http://umanitoba.ca/student/counselling/index.html>, 474 University Centre or S207 Medical Services
(204) 474-8592

Student Support Case Management

Contact the Student Support Case Management team if you are concerned about yourself or another student and don't know where to turn. SSCM helps connect students with on and off campus resources, provides safety planning, and offers other supports, including consultation, educational workshops, and referral to the STATIS threat assessment team.

Student Support Intake Assistant <http://umanitoba.ca/student/case-manager/index.html>
520 University Centre, (204) 474-7423

University Health Service

Contact UHS for any medical concerns, including mental health problems. UHS offers a full range of medical services to students, including psychiatric consultation.

University Health Service <http://umanitoba.ca/student/health/>
104 University Centre, Fort Garry Campus, (204) 474-8411 (Business hours or after hours/urgent calls)

Health and Wellness

Contact our Health and Wellness Educator if you are interested in information on a broad range of health topics, including physical and mental health concerns, alcohol and substance use harms, and sexual assault.

Health and Wellness Educator <http://umanitoba.ca/student/health-wellness/welcome.html>
Katie.Kutryk@umanitoba.ca, 469 University Centre, (204) 295-9032

Live Well @ UofM

For comprehensive information about the full range of health and wellness resources available on campus, visit the Live Well @ UofM site: <http://umanitoba.ca/student/livewell/index.html>

Section (c) a notice with respect to copyright:

All students are required to respect copyright as per Canada's *Copyright Act*. Staff and students play a key role in the University's copyright compliance as we balance user rights for educational purposes with the rights of content creators from around the world. The Copyright Office provides copyright resources and support for all members of the University of Manitoba community. Visit <http://umanitoba.ca/copyright> for more information.

Section (d) university and unit policies, procedures, and supplemental information:

Your rights and responsibilities

As a student of the University of Manitoba you have rights and responsibilities. It is important for you to know what you can expect from the University as a student and to understand what the University expects from you. Become familiar with the policies and procedures of the University and the regulations that are specific to your faculty, college or school.

The [Academic Calendar](http://umanitoba.ca/student/records/academiccalendar.html) <http://umanitoba.ca/student/records/academiccalendar.html> is one important source of information. View the sections *University Policies and Procedures* and *General Academic Regulations*.

While all of the information contained in these two sections is important, the following

information is highlighted.

- If you have questions about your grades, talk to your instructor. There is a process for term work and final **grade appeals**. Note that you have the right to access your final examination scripts. See the Registrar's Office website for more information including appeal deadline dates and the appeal form <http://umanitoba.ca/registrar/>
- You are expected to view the General Academic Regulation section within the Academic Calendar and specifically read the **Academic Integrity** regulation. Consult the course syllabus or ask your instructor for additional information about demonstrating academic integrity in your academic work. Visit the Academic Integrity Site for tools and support <http://umanitoba.ca/academicintegrity/> View the **Student Academic Misconduct** procedure for more information.
- The University is committed to a respectful work and learning environment. You have the right to be treated with respect and you are expected to conduct yourself in an appropriate respectful manner. Policies governing behavior include the:
Respectful Work and Learning Environment
http://umanitoba.ca/admin/governance/governing_documents/community/230.html
Student Discipline
http://umanitoba.ca/admin/governance/governing_documents/students/student_discipline.html and,
Violent or Threatening Behaviour
http://umanitoba.ca/admin/governance/governing_documents/community/669.html
- If you experience **Sexual Assault** or know a member of the University community who has, it is important to know there is a policy that provides information about the supports available to those who disclose and outlines a process for reporting. The **Sexual Assault** policy may be found at:
http://umanitoba.ca/admin/governance/governing_documents/community/230.html
More information and resources can be found by reviewing the Sexual Assault site <http://umanitoba.ca/student/sexual-assault/>
- For information about rights and responsibilities regarding **Intellectual Property** view the policy http://umanitoba.ca/admin/governance/media/Intellectual_Property_Policy_-_2013_10_01.pdf

For information on regulations that are specific to your academic program, read the section in the Academic Calendar and on the respective faculty/college/school web site <http://umanitoba.ca/faculties/>

Contact an **Academic Advisor** within our faculty/college or school for questions about your academic program and regulations <http://umanitoba.ca/academic-advisors/>

Student Advocacy

Contact Student Advocacy if you want to know more about your rights and responsibilities as a student, have questions about policies and procedures, and/or want support in dealing with academic or discipline concerns.

<http://umanitoba.ca/student/advocacy/>, 520 University Centre, 204 474 7423;
student_advocacy@umanitoba.ca