



HNSC 2000: Research Methods and Presentation

Winter 2021

University of Manitoba

Faculty of Agriculture and Food Sciences

Department of Food and Human Nutritional Sciences

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COURSE DETAILS

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| Course Title & Number: | HNSC 2000 (W) Research Methods and Presentation |
| Number of Credit Hours: | 3 |
| Class Times & Days of Week: | Monday, Wednesday, Friday 9:30-10:20am (CST) |
| Lab Times & Days of Week: | Will vary by registration. Each student is responsible to confirm their lab dates and times. Check Aurora for the time of your section. |
| Location for classes: | WebEx delivery |
| Location for labs: | WebEx delivery |
| Pre-Requisites: | STAT 1000 (005.100). Not to be held with HMEC 2050 (028.205). |

Instructor Contact Information

| | |
|--------------------------------------|---|
| Instructor Name: | Lucien Cayer |
| Office Hours or Availability: | By appointment that has been requested via email to the instructor |
| Email: | Lucien.cayer@umanitoba.ca All emails must be professionally written. Avoid emoticons, slang, texting shorthand. Emails will be returned within 48hrs of receiving messages, excluding weekends. |
| Contact: | Please contact the instructor via email for all communication. |

Course Description

An introduction to research designs, methods and techniques, as well as the practice of disseminating results, in the context of selected determinants of health. Applications in natural and social sciences will be presented. Skills related to presenting research findings will be taught.

General Course Information

This course presents different approaches to research related to the determinants of health. Contrasting quantitative, qualitative and mixed methods approaches will provide students with an introduction to the comprehensive research skills expected in many areas of employment. Basic and applied research methods will be identified. The course includes instruction on presenting research projects and results.

The “W” in the course number indicates that this course meets the University of Manitoba’s three-hour writing requirement. The quality of your writing will be an important factor in the grading of your course work. Correct grammar, organization of ideas, and use of words will be evaluated. A minimum of 2 papers of 6-8 pages (3000 word count) must be completed in order to meet the writing requirement.

Course Goals

This course provides an opportunity to understand the 3 research paradigms. It is expected that the experience will give students the ability to efficiently determine the characteristics of each research paradigm and review published research to observe the application of these characteristics.

Intended Learning Outcomes

At the end of the course, students can:

1. List the characteristics of research and scientific enquiry
2. List key characteristics of the social determinants of health
3. Describe key components of the quantitative research methodology
4. Describe key components of the qualitative research methodology
5. Use published research articles to:
 - Identify research questions related to common health problems in Canada
 - Identify the type of data and interpretation utilized to answer research questions
6. Identify presentation styles that explain research findings to different audiences
7. Identify the elements of a scientific paper for publication in a peer-reviewed journal

Using Copyrighted Material

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 UM Learn), 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.

Recording Class Lectures

The course instructor and the University of Manitoba hold copyright over the course materials, presentations and lectures, which form part of this course. No audio or video recording of lectures or presentations is allowed in any format, openly or surreptitiously, in whole or in part without permission from the course instructor. Course materials (both paper and digital) are for the participant's private study and research.

Textbook, Readings, Materials

Required textbook:

Social Research Methods, 5th Canadian ed, Bryman, A. and Bell. E., 2019, Oxford University Press. Don Mills, Ontario.
ISBN 9780199029440

Additional readings will be assigned to supplement the text. These will be posted as electronic document links on the course UMLearn platform. There may be occasions when students will be required to find readings appropriate to the assigned topic and come to lab tutorials prepared to discuss them.

Course Technology

It is the general University of Manitoba policy that all technology resources are to be used in a responsible, efficient, ethical and legal manner. The student can use all technology in classroom setting only for educational purposes approved by instructor and/or the University of Manitoba Disability Services. Student should not participate in personal direct electronic messaging / posting activities (e-mail, texting, video or voice chat, wikis, blogs, social networking (e.g. Facebook) online and offline "gaming" during scheduled class time. If student is on call (emergency) the student should switch his/her cell phone on vibrate mode and leave the classroom before using it. (©[S Kondrashov](#). Used with permission)

All course communication and learning content will be posted on UM Learn. Students are expected to check the site frequently for content updates and communication from the instructor. Please ensure your UM Learn account is working as soon as the course term begins.

Any difficulties with logging in, please contact the UM Learn helpdesk for assistance:

<https://universityofmanitoba.desire2learn.com/d2l/login>

Class Communication

The University requires all students to activate an official University email account. For full details of the Electronic Communication with Students please visit:

http://umanitoba.ca/admin/governance/media/Electronic_Communication_with_Students_Policy_-_2014_06_05.pdf

Please note that all communication between myself and you, as a student, must comply with the electronic communication with student policy

(http://umanitoba.ca/admin/governance/governing_documents/community/electronic_communication_with_students_policy.html). You are required to obtain and use your U of M email account for all communication between yourself and the university.

Expectations: I Expect You To

1. Attend class lectures and all lab tutorials. If a student misses a class, it is his or her responsibility to acquire any missed information or handouts from other students who were present.
2. Attend the required lab section and complete exercises assigned in labs. Students cannot trade or “make up” labs and should schedule other activities accordingly. Attendance will be taken in the laboratory sessions.
3. Complete all readings, assignments, quizzes and tests set by the instructor.
4. Maintain respectful communication with the instructor, lab TAs, grader-markers, and fellow students at ALL TIMES. See:

https://umanitoba.ca/admin/governance/governing_documents/community/230.html

Academic Integrity:

PLAGIARISM AND CHEATING

Plagiarism or any other form of cheating in examinations, term tests or academic work is subject to serious academic penalty (e.g. suspension or expulsion from the faculty or university). Cheating in examinations or tests may take the form of copying from another student or bringing unauthorized materials into the exam room (e.g., crib notes, pagers or cell phones). Exam cheating can also include exam personation. (Please see [Exam Personation](#), found in the Examination Regulations section of the General Academic Regulations). A student found guilty of contributing to cheating in examinations or term assignments is also subject to serious academic penalty.

To plagiarize is to take ideas or words of another person and pass them off as one’s own. In short, it is stealing something intangible rather than an object. Plagiarism applies to any written work, in traditional or electronic format, as well as orally or verbally presented work. Obviously

it is not necessary to state the source of well-known or easily verifiable facts, but students are expected to appropriately acknowledge the sources of ideas and expressions they use in their written work, whether quoted directly or paraphrased. This applies to diagrams, statistical tables and the like, as well as to written material, and materials or information from Internet sources. To provide adequate and correct documentation is not only an indication of academic honesty but is also a courtesy, which enables the reader to consult these sources with ease. Failure to provide appropriate citations constitutes plagiarism. It will also be considered plagiarism and/or cheating if a student submits a term paper written in whole or in part by someone other than him/ herself, or copies the answer or answers of another student in any test, examination, or take-home assignment.

Working with other students on assignments, laboratory work, take-home tests, or on-line tests, when this is not permitted by the instructor, can constitute Inappropriate Collaboration and may be subject to penalty under the Student Discipline By-Law.

An assignment, which is prepared and submitted for one course should not be used for a different course. This is called “duplicate submission” and represents a form of cheating because course requirements are expected to be fulfilled through original work for each course. When in doubt about any practice, ask your professor or instructor.

The Student Advocacy Office, 519 University Centre, 474-7423, is a resource available to students dealing with Academic Integrity matters.

Students Accessibility Services

Student Accessibility Services

If you are a student with a disability, please contact SAS for 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 <http://umanitoba.ca/student/saa/accessibility/>

520 University Centre

204 474 7423

[Student_accessibility@umanitoba.ca](mailto:student_accessibility@umanitoba.ca)

Expectations: You Can Expect Me To

1. Maintain a safe, positive classroom experience where students will be able to speak freely and constructively about topic discussions.
2. Post all course material on the UMLearn site in a timely manner.
3. Provide direction to resources that may assist students with their academic experience.

Class Schedule 2021

This schedule is subject to change at the discretion of the instructor and/or based on the learning needs of the students but such changes are subject to the – [ROASS](#). The schedule should include dates and times of classes, including missed classes due to holidays or other commitments of the teacher. It also includes dates of assignments/quizzes/exams and alternate forms of assessments, date for voluntary withdrawal, and dates when students can expect to receive their assignment or test grades.

| Date/ week of | Topic | Important Dates/ Responsibilities |
|--------------------------|---|---|
| Jan 18 | Welcome and introduction to the course General Research Orientations (Paradigms) Social Determinants of Health Assignment #1 overview | Textbook chapter 1 Raphael. D. et al (2020) pdf document |
| Jan 25 Jan 27 | Social Determinants of Health cont'd Guest Speaker: Kathy Block “Academic writing and online writing tools and services” | Raphael. D. et al (2020) Mandatory attendance |
| Jan 29 | Guest Speaker: Vickie Albrecht “Find sources and referencing” | Mandatory attendance |
| Feb 1 | Research Designs Research Ethics | Text chapter 2 Text chapter 3 |
| Feb 8 | LAB ONE THIS WEEK QUAN: Research | Mandatory attendance Text chapter 4 |
| Feb 15 | READING WEEK (no classes) | |
| Feb 22 | Logic of Experimentation QUAN: Survey Research | Slide deck on LEARN Text chapter 5 FEB 22: ASSIGNMENT #1 DUE |
| Mar 1 | Quiz #1 (online) QUAN: Observation QUAN: Sampling Assignment #2 overview (March 3) | Mar 1 (online quiz #1) Text chapter 6 Text chapter 7 |
| Mar 8 | QUAN: Sampling cont'd QUAN: Data Analysis LAB TWO THIS WEEK | Text chapter 7 Text chapter 8 Mandatory attendance |
| Mar 15 | QUAL: Research QUAL: Ethnography | Text chapter 9 Text chapter 10 |
| Mar 22 | QUAL: Interviewing QUAL: Content Analysis Quiz #2 (online) | Text chapter 11 Text chapter 12 Friday Mar 26 (online quiz #2) |
| Mar 29 | QUAL: Data Analysis Multi-Strategy Research | Text chapter 13 Text chapter 14 |

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| | | THURSDAY APR 1: ASSIGNMENT #2 DUE |
| Apr 5 | Multi-Strategy Research cont'd Writing a Research Report LAB THREE THIS WEEK | Text chapter 14 Text chapter 15 Mandatory attendance |
| Apr 12 | Conducting a Research Project Final Exam Overview | Text chapter 16 |

University-Wide Important Dates:

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|--------------|--|
| Mar 31, 2021 | Last day for Voluntary Withdrawal (VW) from Winter courses |
| Apr 16, 2021 | Classes end |

Course Evaluation Methods

A variety of individual assessment approaches will be utilized to evaluate student learning. Assignments will include written reports and small group discussions and presentations. The course will have an ACCUMULATIVE final exam.

| Due Date: | Assessment Tool | Value of Final Grade |
|--------------------------------------|--------------------------|----------------------|
| | Guest Speaker Attendance | 5% |
| February 22, 2021 | Assignment #1 | 25% |
| March 4, 2021 | Quiz #1 (ONLINE) | 5% |
| March 26, 2021 | Quiz #2 (ONLINE) | 5% |
| April 1, 2021 | Assignment #2 | 25% |
| See individual lab schedule | Lab Assignment #1 | 5% |
| See Individual lab schedule | Lab Assignment #2 | 10% |
| To Be Schedule By Registrar's Office | Final Exam | 20% |

Grading

| Letter Grade | Percentage out of 100 | Grade Point Range | Final Grade Point |
|--------------|-----------------------|-------------------|-------------------|
| A+ | 90-100 | 4.25-4.5 | 4.5 |
| A | 80-89 | 3.75-4.24 | 4.0 |
| B+ | 75-79 | 3.25-3.74 | 3.5 |
| B | 70-74 | 2.75-3.24 | 3.0 |
| C+ | 65-69 | 2.25-2.74 | 2.5 |
| C | 60-64 | 2.0-2.24 | 2.0 |
| D | 50-59 | Less than 2.0 | 1.0 |
| F | Less than 50 | | 0 |

Referencing Style

Writing style Requirements and format:

All assignments must be written in clear grammatically accurate language. Students must use their own sentences to write their papers and assignments.

Referencing:

The system required for referencing is the Publication Manual of the American Psychological Association, 7thed. See Publication Manual of the American Psychological Association (APA), 7th edition or visit <https://apastyle.apa.org/instructional-aids/tutorials-webinars>

Assignment Submission and Late Submission Policy

Assignments will be submitted as **PDF** to **UM LEARN** on or before the posted due date.

Submissions beyond this time restriction will require a substantial reason presented to the instructor to determine if a late submission will be accepted without penalty. All assignments received past the due date and time will receive a **10% mark** deduction for each day late. This will include weekends and statutory holiday dates.