CHSC 7300 Health Policy and Planning  
(Fridays, class: 0900 - 1120 hours, 0800 – 0850 hours optional tutorial; Instructor: Les Carrothers)  
This course defines health policy and describes the planning and decision-making process. Case studies will be used to illustrate and critique the substance, process and outcome of policy papers that address contemporary policy issues. Prerequisite: Students outside CHS require instructor permission.

CHSC 7360 Clinical Trials  
(Mondays, 1300 – 1550 hours; Instructor: Lauren Kelly)  
The randomized clinical trial is the only true experiment in clinical research. This course is intended to give students detailed knowledge of the design and implementation of RCTs. Students will participate in a qualitative review of RCTs. Prerequisites: CHSC 7520; CHSC 7820. Students outside CHS require instructor permission.

CHSC 7390 Health Promotion  
(Thursdays, 0900 - 1150 hours; Instructors: Sharon Bruce, Leigh McClarty)  
Examination of the history, theories, principles, and settings for health promotion. Assumptions underlying the discipline and how they affect practice are explored. Different conceptualizations of health and implications for practice are examined. Recent health promotion strategies are critically analyzed using case studies. Prerequisite: Students outside CHS require instructor permission.

CHSC 7400 T20 Seminar in Foundations of Disease Analytics Part A (spanned fall & winter)  
(Fridays, 1330 - 1620 hours; Instructor: Lisa Lix)  
This course will expose Visual and Automated Disease Analytics (VADA) Program students to selected topics in substantive and methodological topics associated with visualization and automated analytics for large-scale chronic and infectious disease data. This seminar-style course is participatory in nature.

CHSC 7400 T23 Critical Social Theory & Health  
(Thursdays, 1300 – 1550 hours; Robert Lorway)  
In this directed reading course, students will travel a diverse theoretical terrain of foundational texts in social theory while guided on how to think with these ideas as they relate to issues of health and illness facing the world today. The course will engage students in close readings of these challenging and complex texts. Concise excerpts will offer powerful new avenues for rethinking our analysis of contemporary health issues and our approaches to the amelioration of illness and disease. It is expected that each student will carve out their own theoretical journey that will contribute to the conceptual development of their eventual graduate research project. Through weekly readings, writing assignments, and discussion, we will explore theoretical questions of health and illness as they pertain to power, inequality and social change; subjectivity, ethics, and desire; ‘the body’ in culture and politics; gender, sexuality and race; and science and technology.
CHSC 7400 T26 Survival Analysis and Mortality Analytic Methods in Cancer Treatment
September 10 – April 6, 2020 spanned fall and winter
(Weekday and Timing TBA; Instructor: Dan Chateau)
This course will focus on analytic methods applied specifically to cancer data. This will begin with the most basic (i.e. Kaplan Meier) and proceed to more advanced methods, incorporating lead time, left censoring, addressing immortal time bias, confounding by indication, amongst other examples.

CHSC 7500 Core Concepts in Public Health
(Tuesdays, 0930 – 1150 hours; Instructor: Michael Routledge)
Public Health is a multi-disciplinary field of inquiry and practice that addresses the social and biological dimensions of population health. The course provides students with an introduction to this field and examines historical and current theoretical debates relating to the science and art of protecting, promoting and restoring the health of the population through organized societal activity. Prerequisite: Instructor permission is required for students not admitted to the CHS Master of Public Health program.

CHSC 7520 Principles of Epidemiology
(Wednesdays, split lecture 1030 – 1150 hours / 1300 – 1430 hours; Instructor: Nathan Nickel); optional tutorials: Wednesdays, 0930 – 1020; Fridays, 1030 - 1150
This course will introduce the basic concepts and methods of epidemiology, including the definition and measurement of health status and health determinants in populations, assessing health risks and inferring causation, and issues in the design and analysis of population health studies. Prerequisite: Students outside CHS require instructor permission.

CHSC 7560 Epidemiology of Cancer
(Mondays, 1300 – 1550 hours; Instructors: Kathleen Decker, Donna Turner)
This course introduces the magnitudes, risk factors and prevention strategies of cancer. It focuses on current knowledge related to the etiology of cancer, medical interventions and potential for prevention. Prerequisites: CHSC 7520. Students outside CHS require instructor permission.

CHSC 7610 T09 Research Data Centre Research Methods Part A
(Fridays, every other, 0900 - 1120 hours; Instructor: Shahin Shooshtari)
This course will introduce the processes and methods involved in using Statistics Canada’s confidential master data files at the Research Data Centre (RDC). Students will gain skills in conducting secondary analyses in order to address important health and social policy research questions. Pre or co-requisite: Graduate level biostatistics course or equivalent.

CHSC 7710 Social Aspects of Aging
(Tuesdays, 1300 – 1550 hours; Instructor: Kerstin Roger)
This course is an advanced seminar designed to examine current social issues in aging. The course is organized around selected topics related to aging. Where possible, the Canadian experience will be compared to international trends and diversity will be highlighted. The first section is a review of the field of gerontology, ageism, demographic trends, theoretical perspectives and methods and the second section explores contemporary social issues. This course is a required course for the Graduate Specialization in Aging Certificate. Prerequisite: Students outside CHS require instructor permission.
CHSC 7730 Topics in Health Services Research Part A  
(Mondays, 0900 – 1150 hours; Instructor: Malcolm Doupe)  
This course will expose students to select health services research topics that are particularly relevant in Manitoba and Canada. Students are expected to actively engage in seminars led by health services researchers and decision-makers, and also provide informative presentations in their own area of research. Students will also gain Knowledge about various communication and knowledge translation strategies. Pre and/or Co-Reqs: CHSC 7320 and one of CHSC 7310 or CHSC 7300. Students outside CHS require instructor permission.

CHSC 7738 Qualitative Research Methods in Community Health Sciences  
(Tuesdays, 1300 – 1530 hours; Instructor: Deborah McPhail)  
The purpose of this course is to provide students with fundamental knowledge on theoretically informed qualitative inquiry for applied health services and health policy research. The course will include an introduction to social theory and respective qualitative methodologies best suited for population health, health services, social and cultural determinants of health, and health policy research. By the end of the course, students will have an understanding of the principles and practices involved in: integrating theory and qualitative methods; community engagement in qualitative research, including indigenous methodologies and diverse cultural contexts; the design of a theory driven qualitative research study; various ways of generating and analyzing qualitative data; integrated Knowledge Translation; and ethics, among other topics. Prerequisite: Students outside CHS require instructor permission.

CHSC 7810 Biostatistics for the Health and Human Sciences  
(Tuesdays/Thursdays, 1730 – 2020 hours; Instructor: Ian Clara)  
An introduction to statistical ideas and techniques for health sciences and human research. Describing data, patterns in data, the normal distribution. Principles of estimation and principles of hypothesis testing. Principles and practice of the major statistical tests (t tests, analysis of variance, Chi squared tests, correlation and regression). Nonparametric statistical techniques. The use of statistical software to carry out statistical analysis. Analytical decision strategies. Prerequisite: Students outside CHS require instructor permission.

CHSC 7820 Biostatistics for Community Health Sciences  
(Thursdays, split lecture 1030 - 1150 hours / 1300 – 1420 hours, computer lab 1440 – 1550 hours; Instructor: Depeng Jiang)  
The course will cover techniques of research design and analysis for community health researchers. Topics include: principles of experimental design, study size determination, statistical software as an analytical tool, techniques for the analysis of continuous outcomes, analysis of variance for multi-way, factorial and split-unit experiments, and multiple regression and general linear models. Introduction to more advanced statistical methods including logistic regression and survival models. Prerequisites: 3 credit hour statistics course within five years. Instructor permission is required.

CHSC 7860 Methods and Concepts for Community Health Sciences  
(Tuesdays, 1000 – 1220 hours; Instructor: Sara Kreindler)  
The course is designed to provide a practical introduction to qualitative, quantitative, and mixed method approaches used in health research. The emphasis in the course will be on developing research questions, selecting appropriate methods, and writing a research proposal. Co-requisites: 1) CHSC 7520 and ONE of the following: CHSC 7820 or CHSC 7810 or CHSC 7738. Students outside CHS require instructor permission.
CHSC 8600 Senior Seminar in Community Health Sciences  
(Tuesdays, 1000 – 1220 hours; Instructor: Les Roos)  
This seminar course is designed to engage senior students in the field of health research. The emphasis in the course will be to discuss great research studies that have changed or challenged the way we think about health or conduct research, seminal research endeavors from Manitoba, research studies that were not successful, and controversies and the role of media in health research. A focus of the course will be to discuss great research projects, programs, and institutions. This is an advanced course intended for Ph.D. students. Prerequisites: CHSC 7810 or 7820 or 7738, CHSC 7860. Instructor permission is required for students outside the Community Health Sciences PhD program.

FMLY 7800 Family Violence  
(Mondays, 1000 – 1220 hours; Instructor: Douglas Brownridge)  
Advanced study of current topics in family violence over the life course. Topics may include child abuse, sibling abuse, parent abuse, courtship violence, partner violence, and elder abuse. Emphasis is on understanding and critiquing current theory and research.