



## **Compendium of MN Electives**

The following is a very cursory list of potential courses that MN students may want to consider taking as electives. This list is based on conversations with admin staff in education and the MBA Program, as well as feedback from our students who have taken courses outside the UofM in the past. Please scroll down for information on taking elective courses at other universities.

### **University of Manitoba**

#### **Management, I. H. Asper School of Business**

##### **GMGT 7100 Interpersonal Processes 3 credit hours**

(Formerly 027.710) An examination of theories of interpersonal behaviour and processes as they apply to managerial situations. Emphasis upon individual behaviour and change, group dynamics, leadership behaviour, and communications.

##### **GMGT 7220 Managing People in Organizations 3 credit hours**

This course examines strategies and methods for the management of people in organizations, their implications for organizational effectiveness, and both the challenges and opportunities they present to managers within the Canadian context and beyond.

##### **OPM 7120 Operations and Supply Chain Management 3 credit hours**

Operations and Supply Chain Management focuses on the management of processes that transform inputs into valuable outputs within supply chains. This case method course will allow students to learn systematic ways of seeing, thinking, and managing key related processes.

#### **Human Ecology**

##### **FMLY 7510 Research Data Centre Research Methods Part A 1.5 credit hours**

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.

## **Education**

### **EDUA 7402 Development of Adult Education & Post-Secondary Education 3 credit hours**

A survey structures, theory, philosophies, and curricula of educational systems for adults, as affected by cultural, political, religious, theological and institutional contexts both national and internationally. Not to be held with the former EDUA 7400 (129.740) or the former EDUA 5400 (129.540).

### **EDUA 7404 Lifelong Learning in Educational Settings 3 credit hours**

Explores recent issues, research, and theories about learning across the lifespan, with emphasis on adulthood, as learning is affected by cultural, political, and interpersonal contexts.

### **EDUA 7420 Program Planning in Adult Education 3 credit hours**

(Formerly 129.742) Introduction to factors affecting the planning of programs for adults. Examination of various planning models in relation to principles of adult education. A consideration of theory with major emphasis on directions for planning a program for adults. Local examples will be used. Not to be held with [EDUA 7420](#) (or 129.742) and the former 116.733.

### **EDUB 7416 Teaching and Learning in Post-Secondary Education 3 credit hours**

An in-depth study of teaching and learning in post-secondary education contexts grounded in current theoretical, research and pedagogical literatures.

### **EDUB 7420 Study of Teaching 3 credit hours**

(Formerly 132.742) Views of teaching, paradigms, and methodologies for studying teaching and carrying out inquiries into teaching. Students may not hold credit for [EDUB 7420](#) and EDUB 7421 (or 132.742 or 081.722).

### **EDUB 7560 Theory and Practice of Curriculum Design and Development 3 credit hours**

(Formerly 132.756) An examination of the theory and practice of the design, development, implementation and evaluation of curricula for K-12 and adult/post-secondary levels. Students may not hold credit for both [EDUB 7560](#) and 132.756 or 132.731 or 063.735.

## **Medicine/Community Health Sciences**

### **CHSC Directed Readings I: In Epidemiologic Methods 3 credit hours**

(Formerly 093.740) An opportunity for advanced students to acquire knowledge in a defined and specific area of interest. Prerequisites: permission of instructor and Graduate Program Director.

**CHSC 7810 Biostatistics for the Health and Human Sciences 1 3 credit hours**

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 analyses. Analytic decision strategies.

**CHSC 7820 Biostatistics for Community Health Sciences 1 3 credit hours**

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. Prerequisite: Undergraduate course in statistics.

**CHSC 7520 Principles of Epidemiology 1 3 credit hours**

(Formerly 093.752) 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.

**CHSC 7130 Methods in Health Services Research and Evaluation 3 credit hours**

(Formerly 093.713) Examines the process of planning and conducting research and evaluation to assess health services with an emphasis on the methods by which a question may be translated into a testable hypothesis, and the specification of a research plan that will produce results of maximum internal and external validity.

**CHSC 7290 Economic Evaluation of Health Care 3 credit hours**

(Formerly 093.729) The objectives of this course are to enable students to understand economic evaluation methodologies (cost-effectiveness, cost-benefit, cost-utility analysis) as applied to health care and to familiarize them with the applied literature on economic evaluation of health care. Prerequisite: permission of instructor.

**CHSC 7300 Health Policy and Planning 3 credit hours**

(Formerly 093.730) 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: permission of instructor.

**CHSC 7320 Organization and Financing of the Canadian Health Care System 3 credit hours**

(Formerly 093.732) Students will study the historical development and current structure of the Canadian health care system and relate its development to changes in social and political factors. The course provides an economic perspective on current policy issues in the organization, financing, and delivery of health care in Canada.

**CHSC 7400 T08 Directed Readings 1: Science and Practice of Knowledge Translation in Health Research (CRN = 13675)**

**Prerequisite:** instructor permission

This course will provide students with an overview of the fundamental aspects and current state of knowledge translation (KT) science and practice in health research and care. The topics covered in the course will equip the student with the basic principles required to integrate knowledge translation science into health research and apply best KT evidence and methodologies to their dissemination and implementation activities.

**\*\*NOTE: If you are interested in taking a course at another university, please review the guidelines of the Western Deans Agreement. This agreement allows for students to take courses at other universities in western Canada that are a part of the agreement – within your UofM Program fees.**

This is what the Registrar's Office says about Western Dean's Agreement:

[http://umanitoba.ca/student/records/leave\\_return/western\\_deans\\_agreement.html](http://umanitoba.ca/student/records/leave_return/western_deans_agreement.html)

Brandon University

**\*\*Note – the following education and admin courses at BU are offered on alternate years – in the winter and spring/summer terms**

**75:661 Advanced Nursing Education I**

**Pre-requisite:** Completion of 6 credit hours of core courses, including 76.651

In this course, students will explore and critically examine teaching and learning modalities for nursing education and the evaluation of educational programs and strategies. Advanced preparation for future or current nurse educators and administrators will be provided. Students will apply and integrate pedagogical theories and strategies in selected practice settings.

\*offered in winter 2016-17

### **75:662 Advanced Nursing Education II**

**Pre-requisite:** Completion of 6 credit hours of core courses, including 75.651

In this course, students will explore and critically examine philosophical, theoretical, and legal-ethical perspectives informing curriculum and curriculum development in nursing education. Advanced preparation for future or current nurse educators and administrators will be provided. Students will apply and integrate theory in selected practice settings.

\*offered in spring/summer 2016-17

### **75.659 – Health Services Leadership & Administration I**

**Pre-requisite:** Completion of 6 credit hours of core courses, including 75.651

The focus of this course is on the administrative aspect of health services delivery and psychiatric nursing practice. The emphasis will be on administrative theory, organizational structure and processes, interdisciplinary collaboration, and the administration of health care at the unit and organizational levels. Theoretical concepts and evidence relevant to administrative roles in the health care system will be explored as a basis for leadership roles in advanced psychiatric nursing practice. Students will apply theory to selected practice settings.

\*offered in winter 2017-18

### **75.660 – Health Services Leadership & Administration II**

**Pre-requisite:** Completion of 6 credit hours of core courses, including 75.651

This course involves the synthesis, application, and further acquisition of knowledge, skills, and attitudes related to health services leadership and administration. Theoretical concepts and evidence relevant to leadership in the health care system will be explored as a basis for senior leadership roles in advanced psychiatric nursing practice. Students will apply and integrate theory in selected practice settings.

\*offered in spring/summer 2017-18

### University of Victoria

Epidemiological Statistics (PHDA 02) is offered as part of the fully online, non- credit certificate program in Population Health Data Analysis (PHDA).

The PHDA program and respective courses are designed to serve the needs of population health professionals, analysts, policy makers and researchers who are seeking education and professional development in advanced population health analysis. Although this is a non-credit program, the courses have been designed to be worthy of assessment for elective credit as you will note from the following course details.

**Epidemiological Statistics** is a core course within the program and includes a balance of theory and practical work. In particular the lab component (completed by remotely accessing a secure research training lab and associated training datasets) addresses the practical analysis of administrative and survey data and is key to student learning, comprehension and knowledgeable application of concepts taught.

The course follows an academic semester and is thirteen weeks long. Week one is devoted to course orientation followed by twelve, one week modules. Students can expect to spend a minimum of 8-10 hours per week on course activities that include reviewing videos, completing readings and written assignments as well as participating in online discussions and lab based activities. This course includes six graded lab assignment, providing hands-on experience with a variety of data analysis exercises within a Secure Research environment. Quizzes and a series of individual and group activities are also included, designed to enable students to critically evaluate articles in the epidemiological literature and examine epidemiologic methods.