

# HEALTH QUALITY

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## Courses

### **HQRS 840 (3 cr) Introduction to Quality, Risk and Safety**

A comprehensive introduction of the historical, current and future state of quality, risk and safety. The developments of quality and safety research will be examined via the exploration of system enhancement, theoretical frameworks and tools for measuring system improvements. Summer/Fall. L. Duhn. Intensive Week fee \$1700 (July 2023; est. \$1790 July 2024).

### **HQRS 841 (3 cr) Process Improvement in Health care**

A solid foundation in the current methods of process improvement in healthcare settings by incorporating best practices for process definition, value stream mapping and performance measurement in the course. Root cause analysis, hypothesis testing methods, and design of experiments (DOE) and other related analytical methods will be taught using relevant examples from different healthcare settings. Fall. Instructor TBD.

### **HQRS 842 (3 cr) Research and Evaluation Methods to Assess Quality, Risk and Safety**

Advance safety science knowledge through independent research using quantitative and qualitative methods, including topics in advanced research design, data management, and measurement and analysis techniques. Students are expected to generate a research proposal at the end of course. Winter. R. Egan.

### **HQRS 844 (3 cr) Law, Risk and Healthcare**

The intersection of areas of law, risk, and healthcare that create specific and unique complexities for a variety of professionals is explored in this course. Topics include accident law, civil litigation, insurance and risk management; the course concentrates on the intersections of these areas to synthesize both a coherent system of redress and a risk and safety conscious system for organizing social behaviour. Winter. Instructor TBD.

### **HQRS 845 (3 cr) Organizational Behaviour in Healthcare**

Fundamental organizational behaviour concepts and theories and their use in healthcare settings are presented. Behavioural and organizational dynamics within and beyond organizational boundaries are explored and analyzed. Fundamentals and skills to analyze, manage and change organizational dynamics in healthcare services are addressed. Fall. W. Knutsen.

### **HQRS 846 (3 cr) Human Factors in Healthcare**

Human Factors as a discipline researches and provides information about human behavior, abilities, limitations,

and relationship to the work environment (physical, organizational, cultural), and applies it to the design of safer and more effective tools, machines, systems, tasks, jobs, and environments. This course will cover the main human factors (e.g., perception, stress, workload, fatigue, etc.) that play a role in various healthcare contexts and can have a critical impact of the outcomes (e.g., care success, patient safety, job satisfaction, etc.). Summer. Instructor TBD. Intensive Week fee est. \$1790 (July 2024).

### **HQRS 847 (3 cr) International Perspectives on Policy, Economics, and Quality Healthcare**

This course examines concepts in health policy and health economics and how this relates to policy process and development. The concepts will be analysed from an evaluative perspective on effectiveness and efficiency in healthcare nationally and internationally. Summer. Instructor TBD.

### **HQRS 898 (3 cr) Project in Healthcare Quality**

The focus of this course is the scholarship of integration, implementation, and application. Students will develop interdisciplinary group projects for system-based practice change to address a problem in healthcare, incorporating aspects of policy, equity, and social determinants. (3.0 credit units). Summer. C. Godfrey.

### **HQRS 900 Philosophy of Health Quality Science**

The course examines the major philosophical traditions that have influenced the generation of knowledge related to the science of quality and improvement through empirical, interpretive and critical paradigms. It includes a critical analysis of world views, truth, theoretical perspectives, and constructs within and across disciplines, with an emphasis on relationships between philosophy, theory, research and practice toward the generation of new knowledge. Fall. L. Duhn.

### **HQRS 901 Research and Theory of Change Management and Leadership**

This course examines concepts in change management and leadership as related to improving the quality of healthcare delivery. Discussion will focus on contemporary issues in healthcare delivery with an examination of change management and leadership theory and principles. The theory and principles will be applied to organizational culture, the influence of policies, and the implementation and evaluation of best practices to advance healthcare safety. Winter. A. Zuk.

### **HQRS 902 Qualitative Methods for Research in Health Quality**



This course prepares students to advance knowledge in the area of quality improvement using qualitative approaches. Topics addressed include the historical and philosophical foundations of qualitative research, research design, data collection, analysis, interpretation and knowledge translation. Fall. P. Camargo.

### **HQRS 903 Quantitative Methods for Research in Health Quality**

This course prepares students to advance knowledge in the area of quality improvement using quantitative methods. It focuses on conceptualizing research, measurement, design, sampling and reliability of measures. Emphasis is placed on the appropriateness of design for the level of theoretical knowledge available and the nature of the research problem to be investigated. Winter. K. Goldie.

### **HQRS 904 Internship in Health Quality**

The internship involves a placement in an organization where research and theory on quality can be applied in a practical environment. The internship will be developed jointly with the organization and the learner and will require approval from the course supervisor and program director. Summer. L. Duhn.

### **HQRS 905 Current Topics in Health Quality**

A required doctoral course for all year two PhD in Health Quality students. This course will present current topics in health quality. Topics will be identified each year in collaboration with the learning needs identified by students. Potential topics may include the following: cyber security of sensitive data, leading and project management of large scale improvement, global issues in quality improvement, metrics, politics of change, laws and liability, transitions in care, implementing, spreading and sustaining improvement across health systems, funding and resources for improvement, knowledge dissemination and implementation, co designing improvement projects with patients and families, person centered care, social determinants of health, aging, Indigenous Communities, and mental health and addictions. The course will include seminars, presentations from visiting scholars with sessions held every other week throughout the year. Winter/Summer. C. Godfrey.

### **HQRS 999 Thesis**