
McGill Course EXMD 630
Developing Digital Health Innovations for Impact
Winter 2022; CRN 8417

Are you interested in creating digital health innovations?
Do you want to learn about the process of thinking behind digital health innovations?
Would you like your innovation to address a well-defined clinical/public health problem?
Are you keen to develop a prototype of an invention to address the problem?
Would you want to learn from experienced faculty who have been there and done that?
Then, our course EXMD630 is just right for you.

One of the best ways to unlearn is to **innovate**.

As defined by the Government of New Zealand, innovation is:

“the creation, development, and implementation of a new product, process or service, to improve efficiency, effectiveness or competitive advantage.”



This **elective, interactive** course aims to introduce innovative thinking and the development of innovative digital health solutions. It will integrate many thinking strategies. You will also learn about implementation science/usability evaluations/clinical trials that form the core of evaluating and refining digital health innovations. Interdisciplinary course content will showcase product and process innovations from across the spectrum of health care (i.e., from preventative to curative). Product innovations (i.e., smart diagnostic devices, wearables, bots) and process innovations (i.e., applications (apps), web platform or portal-based services, machine learning-based (algorithms, games, chatbots) will be showcased.

The course is aimed at students who wish to develop an innovative prototype of a digital health solution (product innovation or process innovation)—primarily **aimed at health care professionals (i.e., medicine, health, allied health sciences)**. It is also **open to professionals from diverse streams (i.e., engineering, business, social sciences, education, communication, computer science) involved in health care and interested in developing a digital health innovation**.

This course is being offered as part of our New Master's in Digital Health Concentration.

Course Instructor:

Dr Nitika Pant Pai, MD., MPH., PHD

Associate Professor Medicine

McGill University

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Prior approval from course instructor is required

Deadline Jan 5, 2022.

Our Guest Faculty from the Divisions of Clinical Epidemiology and Experimental Medicine will also deliver lectures and share their innovation journeys.

Join us on an exciting journey of unlearning!
