

COURSE DESCRIPTION

Health inequities, which have been persistent in our health systems, have further widened since the emergence of COVID-19. Although there has been immense uptake of virtual care services during the pandemic, our health systems are currently not succeeding in addressing inequities. This is unfortunate because digital health systems can promote health equity by empowering citizens. This course will provide an introduction to digital health, and more importantly, how digital health can enable health equity.

COURSE OBJECTIVES

Demonstrate an understanding of theoretical and methodological principles of population health and health equity

Establish the importance of a population health perspective and social determinants of health in creating digital health interventions

Identify concepts, principles, values, and emerging trends underlying digital health approaches

Understand the importance of digital health platforms in addressing health outcomes among disadvantaged populations

Understand the role of policy-driven digital health interventions in addressing population health crises

RECOMMENDED READINGS

This course has no required textbooks. Open access article links and other class materials will be posted on OWL one week before the start of each module.

CLASS EXPECTATIONS

During lectures and tutorials, you are expected to use computers for scholastic purposes only. During in-person lectures, from time to time, you may be asked to turn off all computers, to facilitate learning or discussion of the material preseners, to facilitate8tuf1 0 0 1 84.275 171.05 T625 0 G{e)-10(m)5orincs

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MODULE 8 Digital Health Methods

October 25

Topics:

Study designs for digital health
Mixed methods for digital health
Real-time engagement with populations

Fall Break: October 31 November 6**MODULE 9 Digital Health Platforms**

November 8

Topics:

Introduction to digital health platforms
Development of digital health platforms
Scaling-up digital health platforms for equity

MODULE 10 Artificial Intelligence in Digital Health

November 15

Topics:

Introduction to artificial intelligence and machine learning
Role of artificial intelligence in health equity
Future of artificial intelligence in digital health

MODULE 11 Evaluation & Knowledge Translation of Digital Health Platforms

November 22

Topics:

Introduction to health program evaluation
Evaluation strategies in the digital era
Knowledge translation for digital health equity

MODULE 12 Risks and Opportunities of Digital Health

November 29

Topics:

Introduction to risks
Identification of opportunities
Balancing risks with opportunities

MODULE 13 Future of Digital Health for Equity

December 6

Topics:

Inverting innovation

All participants in the process must act in good faith, and fulfil their respective obligations, if it is to succeed.

Students who experience an extenuating circumstance (illness, injury, or other extenuating circumstance) sufficiently significant as to temporarily render them unable to meet academic requirements, may submit a request for academic consideration through the following routes:

- (i) For medical absences, submitting a Student Medical Certificate (SMC) signed by a licensed medical or mental health practitioner, in order to be eligible for Academic Consideration; or*
- (ii) For non-medical absences, submitting appropriate documentation (e.g., obituary, police report, accident report, court order, etc.) to academic advising office in their Faculty of registration, in order to be eligible for academic consideration.*

Students seeking academic consideration:

Are advised to consider carefully the implications of postponing or delaying handing in work;

Are encouraged to make appropriate decisions, based on their specific circumstances, recognizing that minor ailments (e.g., upset stomach) or upsets (e.g., argument with a friend) are not normally an appropriate basis for an SMC;

Are advised that all necessary documentation, forms, etc. are to be submitted to the academic advising office within two business days after the date specified for resuming responsibilities

Academic Integrity

All students are responsible for upholding academic integrity in all aspects of class participation, examinations, and assignments. **Plagiarism will not be tolerated.**

All required papers may be subject to submission for

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