Course: HS4092F - Digital Health for Equity
Professor: Dr. Tarun Katapally, Canada Research Chair in Digital Health for Equity
Email: tarun.katapally@uwo.ca
Office: Health Sciences Building
Teaching Assistants: TBD
Class Location, Day, and Time: **Online**
Class Format: Online - A mix of synchronous

CLASS SCHEDULE

A description of the **TENTATIVE** class schedule with each module's content is enumerated below. The course **timetable, content, and assignment schedule can change**. Students should expect modifications to the content. Students should also expect guest lecturers and instructors, who will contribute to the course content throughout the course.

MODULE 1   Week of May 6
   a) **Health Equity**
   b) **Population Health Promotion**

Topics:
- Introduction to health equity
- Key definitions and terminology
- Opportunities and challenges
- Introduction to population health
- Socio-ecological determinants of health
- Application of population health approaches

MODULE 2 - Week of May 13
   a) **Digital Population Health Interventions**
   b) **Disadvantaged Populations**

Topics:
- Introduction to population health interventions
- Emergence of digital health
- Equity in digital health
- Prioritized partnerships with disadvantaged populations
- Digital health strategies to promote equity
- Challenges of digital health interventions with disadvantaged populations

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MODULE 3 - Week of May 20
   a) **Digital Health and Virtual Care**
   b) **Digital Citizen Science**

Topics:
- Introduction Digital health systems
- Introduction to virtual care
- eHealth, mHealth, uHealth
- Introduction to digital citizen science
- Role of citizen science in the digital age
- Digital citizen science frameworks for equity

MODULE 4 - Week of May 27
  a) **Digital Health Methods**
  b) **Digital Health Platforms**

Topics:
- Study designs for digital health
- Mixed methods for digital health
- Real-time engagement with populations
- Introduction to digital health platforms
- Development of digital health platforms
- Scaling-up digital health platforms for equity

MODULE 5- Week of June 3
  a) **Artificial Intelligence in Digital Health**
  b) **Evaluation & Knowledge Translation of Digital Health**

Topics:
- Introduction to artificial intelligence and machine learning
- Role of artificial intelligence in health equity
- Future of artificial intelligence in digital health
- Evaluation of digital health solutions

responsible for the material they have missed. The instructor or the teaching assistant is not obliged to review the contents of missed lectures.

GRADING SCHEME AND ASSIGNMENTS

(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,*

may not be appealed. You will receive no adjustment to your fees in the event that you are dropped from a course for failing to have the necessary prerequisites.

Student Support Systems

There are various support services around campus, and these include, but are not limited to:

1. *Student Development Centre -- http://academicsupport.uwo.ca/*

2. *Student Health -- https://www.uwo.ca/health/*

3. *-- http://www.registrar.uwo.ca/*

4. *Ombudsperson Office -- http://www.uwo.ca/ombuds/*

Health and Wellness

The undergraduate experience is rewarding and challenging socially, emotionally, and intellectually.

how to manage stress. Western provides several health and wellness-related services to students, which may be found at http://www.health.uwo.ca/. You can also check out the Campus Recreation Centre or the McIntosh Gallery (http://www.mcintoshgallery.ca/), for alternative spaces to reconnect with your bodies and restore your spirit. You may also want to access local resources that are closer to where you are living during the school year. Recalibrating ourselves emotionally begins with slowing down, remin

Course content questions	Refer to the Brightspace Resources (notes, calendar, etc.). Email the instructor.
Grade disputes and requests for appeals	A student requesting an appeal to a specific course with respect to a grade for an assignment or examination much first contact their instructor to discuss such manners. Visit the following website for guide on submitting an appeal: https://uwo.ca/fhs//policies/appeals.html