



Online Intensive Course

Humanitarian Water Engineering

York University, Toronto, Canada

What

This course offers participants the opportunity to gain practical knowledge of the design, construction, and operation of water supply systems in emergencies. It covers both theoretical fundamentals and the technical considerations needed to provide safe water, from source to consumer, in challenging contexts. Participants will learn and have the opportunity to apply essential concepts such as source selection, treatment and distribution, risk assessment, and consideration of human factors.

How

The course is delivered remotely through a combination of self-directed study, online teaching, webinars and problem-based learning (PBL), with participants working on design challenges reflecting real-world experience.

Who

This course will benefit those looking to enter or advance a career in humanitarian WASH programs. We particularly encourage applications from:

- humanitarian professionals from international or local NGOs or UN agencies who are seeking to deepen their technical knowledge of water;
- professional engineers and other technical specialists seeking to apply their skills in the humanitarian sector; and
- graduate and upper-level undergraduate students seeking to build technical knowledge and gain exposure to work in the humanitarian sector.

When

The course will kick off with a welcome session on the September 20, followed by a five-week reading phase. The problem-based learning phase will run between September 27 and December 3 (dates may be subject to change). Applications are open until September 3, 2021.

Course Leadership

Syed Imran Ali, PhD

Research Fellow, Global Health and Humanitarianism, Dahdaleh Institute for Global Health Research

Dr. James Orbinski

OC, MSC, BSC, MD, MA, MCFP
Director, Dahdaleh Institute for Global Health Research

Prof. Satinder Kaur Brar, PhD

James and Joanne Love Chair in Environmental Engineering, Lassonde School of Engineering

Prof. Ali Asgary, PhD

Associate Director, Advanced Disaster, Emergency and Rapid Response Simulation

James Brown MEng, FRSA

Technical Advisor
Safe Water Optimization Tool, Dahdaleh Institute for Global Health Research

Find out more and apply today!

yorku.ca/dighr/project/hwe/