



# Introduction to Bioethics 4.0

## Short Learning Programme (SLP)

### Faculty of Health Sciences, University of Johannesburg

Technologies driving the Fourth Industrial Revolution (4IR) in matters of healthcare, healthcare 4.0, have potential to bridge inequalities that hinder the progressive realisations of health in South Africa. When administered in an ethical manner, healthcare 4.0 can aid locate the poor at the centre of the highest attainable standard of care and allow them to live a life of dignity. Health care professionals, policy makers and legislators ought to develop practices, policies and laws that promote public safety and welfare. The requirement imposes a moral duty to ensure that technologies driving healthcare 4.0 are continually evaluated for compliance with ethical principles and human values. This SLP seeks to develop student's knowledge in fundamental bioethical and associated health law issues, relating to healthcare 4.0. The insight is crucial in determining the moral foundations to critique healthcare 4.0 with reference to its ability to benefit, rather than harm those it is meant to serve. Upon completion, students are expected to reflect on this knowledge and apply it to identify bioethical issues in their respective domains and design ethical frameworks to mitigate the risks that ensue.

### Detailed course breakdown:

1. Overview of bioethical issues in SA healthcare
2. Emerging technologies driving healthcare 4.0
  - 2.1 Artificial Intelligence
  - 2.2 Biotechnology 4.0
  - 2.3 Robotics and drone technologies in fighting pandemics
3. Bioethical implications of healthcare 4.0
4. Ethical analysis of healthcare 4.0 in the SA context

### Entry requirements:

A Health Professions qualification (minimum NQF Level 5) wherein an introduction to ethics within the health domain has been addressed.

**Commencement date:** April 2021

**Delivery mode:** Online

**Course duration:** 4 Months

**Course fee:** R3500-00

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CPD points will be allocated on completion of the course.

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