



Harare  
Institute of  
Technology

*success through innovation*

## DEPARTMENT OF CHEMICAL AND PROCESS SYSTEMS ENGINEERING

### FUNDAMENTALS OF NANOSCIENCE AND NANOTECHNOLOGY TRAINING COURSE

#### OVERVIEW

The Department of Chemical and Process Systems Engineering of the Harare Institute of Technology is offering an intensive two (2) day short course on Fundamentals of Nanoscience and Nanotechnology to Advanced "A" level Chemistry teachers. A level teachers are conduits of entry of students into institutions of higher learning hence the need to equip them with concepts of this emerging technology so that students will embrace this technology in any field of science, technology and engineering they may enrol in at institutions of higher learning. The course will be conducted by a qualified and experienced Nanotechnologist and a certificate of attendance will be offered at the end of the training.

#### COURSE SYNOPSIS

Introduction to Nanoscience and Nanotechnology, Synthesis and Characterization of Nanomaterials, Applications of Nanotechnology, Laboratory based practical work.

#### TARGET NICHE

Advanced 'A' Level Chemistry Teachers.

#### TRAINING COSTS

A fee of USD 200 will be charged per individual and will cover registration, course manual, breakfast, lunch, dinner and accommodation (3 nights).

**BANKING DETAILS: CBZ, Sapphire Branch - A/c #: 02420583120037**

#### DATE

07 – 08 June 2018

#### EXPECTED OUTCOMES

The course will offer participants the opportunity to gain knowledge and understanding of:

- materials and their properties at the atomic and nanometer scales, including an understanding of the intimate relationship between the scale and the properties of materials.
- current applications and state of the art within nanoscience and nanotechnology.
- practical skills in synthesis and characterization of nanostructured materials.

#### CONTACT DETAILS

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