

THE UNIVERSITY OF DODOMA

Office of the Deputy Vice-Chancellor
Academic, Research and Consultancy



SHORT COURSE ON THEORY OF SCIENCE

1 Introduction

The Doctor of Philosophy degree, which is also known as a doctoral degree, is about philosophy. Subsequently, a doctoral thesis/dissertation is a massive academic undertaking that all PhD candidates are obliged to accomplish successfully. Thus, it is imperative for PhD candidates to take a course that trains them to conduct scientific inquiries to enable them to write their thesis/dissertation and demonstrate their ability to integrate various issues in a philosophical manner. This short-term Course aims at equipping graduate students and early-career researchers with the cutting-edge knowledge, skills, and attitude necessary for critical thinking, close reading, clear writing, and logical analysis. The course will be facilitated by experts from the University of Dodoma, the Muhimbili University of Health and Allied Sciences in Tanzania, and the University of Oslo in Norway.

2 Learning Outcomes

The course on Theory of Science is intended to enable graduate students to:

- i. Develop the ability to identify scientific theories and explanations and differentiate them from other kinds of theories and explanations
- ii. Develop a basic understanding of the methods, modes of inference, and structures of explanation implicit in scientific practices, including forensic practices
- iii. Be able to demonstrate knowledge of the various points of view presented in the required readings
- iv. Be able to defend points of view in a logical fashion
- v. Be able to relate own position to more general theories of scientific practices.

3 Course Content

- i. Introduction to philosophy of science
- ii. The epistemology of scientific theorizing
- iii. The structure and metaphysics of scientific theories
- iv. Methods of Scientific Research Programs
- v. Philosophy of Scientific Research

4 Target Group

The course is intended for PhD students as well as early-career researchers, but masters' students may also participate.

5 Method of Delivery

The course will be delivered through a combination of approaches, including interactive lectures, videos, group discussions, case discussions, assignments, and role plays.

6 Course Duration

The course will run for five (5) days.

7 Date

Course dates: **From 10th November, 2025 to 14th November, 2025.**

Registration deadline: **07th November, 2025.**

8 Fee and Mode of Payment

Course fee:

TZS 150,000 for UDOM graduate students and

TZS 300,000 for non-UDOM students.

All payments should be deposited in the following bank account;

Bank Name:	CRDB
Name:	UDOM CONSULTANCY AND SPECIAL PROGRAM
Account Number:	01J1082491700
Payment for:	Short Course on Philosophy of Science

9 **Number of course participants:** Limited number of spaces (30 participants) allowed

10 **Venue:** This training will be conducted at UDOM

11 **Award:** Certificates will be awarded to participants who attain the minimum course requirements.

12 **Mode of Application**

Application/registration should be made using an online form through this link: [CLICK HERE](#)

INQUIRIES

Please contact **Dr. David Z. Munisi**

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