

# **GST 118: HISTORY AND PHILOSOPHY OF SCIENCE**

## **Course Outline**

### **COURSE DESCRIPTION**

The course GST 118: History and Philosophy of Science encompasses both the history of science and the philosophy of science. The course has as its aim making the student to become conversant with the history of science, on the one hand and the philosophy of science on the other. To this end, it will help equip the student with the knowledge of the development of the discipline of science and at the same time acquaint the students with how the discipline of philosophy engages certain salient issues in the field of science. It is expected that, at the end of the course, students would have been equipped with necessary tools to examine the sciences, from diverse perspectives- which includes conceptual, historical, ethical and social among others. Furthermore, the course will enable the student to integrate a scientific, critical and humanistic outlook in their lives and attitudes

### **COURSE REQUIREMENTS**

Students offering the course will be expected to meet the minimum requirements of 1. Having a continuous assessment (CA), which will be 40% of the total marks; 2. Writing an examination which will be 60% of the total marks. The CA shall consist of assignments and/or tests. Attendance is mandatory as students with less than 75% attendance will, in line with the University regulation, not be allowed to sit for the examination.

### **REGISTRATION, ASSIGNMENT SUBMISSION PLATFORM**

You will be required to register for this course through online registration in order to offer the course and submit assignments. Failure to register will affect the processing of your result as you will be seen as a student not offering the course,

All assignments will be submitted through the university e-Learning Management System (LMS)

1. The Nature of Philosophy and Philosophy's Concern with other disciplines
2. What is Science? And how is it different from Pseudo-Science
3. Principles and Assumptions of Science
4. Foundational Metaphysics and Epistemology of Science
5. The Methods and Features of Science
6. The problems with Science
7. Theories of Scientific Progress
8. Philosophy of the Social Science
9. Philosophy of the Social Science
10. Philosophy, Science and Development in Africa

Temidayo D. Oladipo and Noah O. Baogun, *History and Philosophy of Science: A Brief Survey*. Ibadan: Hope Publication, 2020.

Ernest Nagel, *The Structure of Science: Problems in the Logic of Scientific Explanation*. Indianapolis: Hackett Publishing Company, 1979.

Amaechi Udefi (ed.), *Philosophy and the sciences: an invitation to interdisciplinary studies*. Ibadan: Stirling-Holden Publishers, 2010.

Isaac Ukpokolo, "Philosophy of science: nature and programme," in Olu-Owolabi (ed.), *Issues and problems in philosophy*. Ibadan: GROVACS (Network), 2000. 208-221.

E. Kolawole Ogundowole, *Nature of man: History and philosophy of science*. Lagos: Correct Counsels Limited, 2003.

Anslem K. Jimoh, *Philosophy: A Guide for Beginners*. Ibadan: Ebony Books and Kreation, 2014

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