

General (Natural Science)

Course Title: Everyday
Course Code: Science NSS-104
Credit Hours: 03

Course Outline

1. Introduction

- Nature of Science;
- Brief History of Science with special reference to contribution of Muslims in the evolution and development of science:
- Impact of science on society.

2. The Physical Sciences

- a. Constituents and Structure: "Universe, Galaxy. Solar system, Sun, Earth. Minerals;
- b. Processes of Nature -Solar and Lunar Eclipses Day and Night and their variation:
- c. Energy :- sources and resources of Energy conservation
 - i. Ceramics, Plastics. Semiconductors.
 - ii. Radio. Television, Telephones. Camera. Laser. Microscope.
 - iii. Computers, Satellites.
 - iv. Antibiotics, Vaccines, Fertilizers, Pesticides.

3. Biological Sciences

- The basis of life - the cell, chromosomes, genes, nucleic acids.
- The building blocks - Proteins. Hormones and other nutrients Concept of balanced diet. Metabolism.
- Survey of Plant and Animal Kingdom - a brief survey of plant and animal kingdom to pinpoint similarities and diversities in nature.
- The Human body - a brief account of human Physiology, Human behavior.

Books Recommended

1. Kashmiri, M.A. (2023). Everyday Science. A.H. Publishers
2. Kilburn, R.E. and Howell, P.S. (1980). Exploring Life Sciences, Allyn and Bacon.
3. Kilburn, R.E. and Howell, P.S. (1981). Exploring Physical Sciences, Allyn and Bacon.