

## History of Science

Course Code: SCE104.2

Instructors: Ankush Gupta and Sarita Kamat

Credits:

### Course Outcome:

Sr. No.	On completing the course students will be able to
CO 1	Appreciate history as a creative process undertaken by members of present to visualize certain aspects of human past, with certain (possibly diverse) goals and processes leading to different histories
CO 2	Recognize the relevance and appropriate ways of using history in science education
CO 3	Know about different theories of light and vision which were used by natural philosophers in different historical eras, and evidences/observations which supported or refuted these theories
CO 4	Know the ancient theories of matter including the five element theory and the phlogiston theory and what developments led to establishment of modern atomic theory
CO 5	Know some of the socio-political and economic developments related to colonial era which shaped modern discipline of biology
CO 6	Appreciate how actual practice of scientific research cannot always be understood in terms of well-defined processes and black and white conclusions, which can have grey areas or controversial elements
CO 7	Appreciate some of the non-European traditions of science and technology, and their contributions/non-alignments to the mainstream modern science