



**Sub Committee for Philosophy**

**Curriculum Development for Faculty of Humanities and Social Sciences**

**Name of Institute:** Symbiosis School for Liberal Arts

**Course Name:** Scientific Inquiry and Learning Science

**(UG/PG):** UG, Elective

**Number of Credits:** 4 (60 Hrs)

**Level:** 2

**Introduction**

Learning science is often equated with the familiarity of technical terms and laws, combined with the ability to manipulate formulae and equations (e.g.  $f = ma$ ), or with the ability to possess 'knowledge' of the several disciplines of science e.g. physics, chemistry, biology. Furthermore, fragmentation that isolates one subject from the other, starts from school education, and continues unless exclusive efforts are made to comprehend links between the sciences, to form the unified nature of science.

In this course, the focus will be on understanding scientific concepts and propositions put forward, and integrating ideas across disciplinary boundaries. The pursuit of inquiry offers us a learning process through observing, thinking, and reasoning like scientists, and developing minds that will have the ability to learn effectively.