Title of workshop

Consistency – Completeness – Redundancy: The impact of Gödel's theorem on how we conceive science.

The workshop will deal with the evolution of the conception of an axiomatic system from "a set of obvious propositions" to a set of arbitrary chosen statements needing a consistency proof, eventual extensions and elimination of redundant propositions".

The workshop will consist of an interactive approach to the issues having lead to the formulation and proof of Gödel's theorem. We will discuss the evolution of axiomatic systems from Euclid to our days and investigate concepts such as decidability, completeness and consistency. The workshop will end with a discussion on the effects of Gödel's theorem in philosophy and culture. A familiarity with mathematical terminology, elementary geometry and symbolic logic will be helpful but is not mandatory.