

Introduction to Logic (PHIL 132)

Credit Hour: 4

Teaching Mode: In-person

Schedule: Monday to Friday (8:00 AM – 10:50 AM)

Instructor: Muhammad Shabbir Ahsen

Description:

The course has been designed to introduce the students to the methods and techniques used to evaluate arguments. It assumes no prior knowledge of either philosophy or mathematics as it is an introductory level course that covers the main areas of logic, which includes both Classical and Modern Logic along with Induction, Scientific Reasoning and Modal Logic. The course begins by introducing the basic concepts used in logic before exploring the domain of Aristotelian logic. We then move to Modern Deductive. Here Propositional Calculus and Predicate Calculus are introduced along with different methods for determining the validity of arguments (and generating counterexamples). Induction and Scientific Reasoning will be introduced after Predicate Logic. Modal concepts are addressed towards the end of the course.